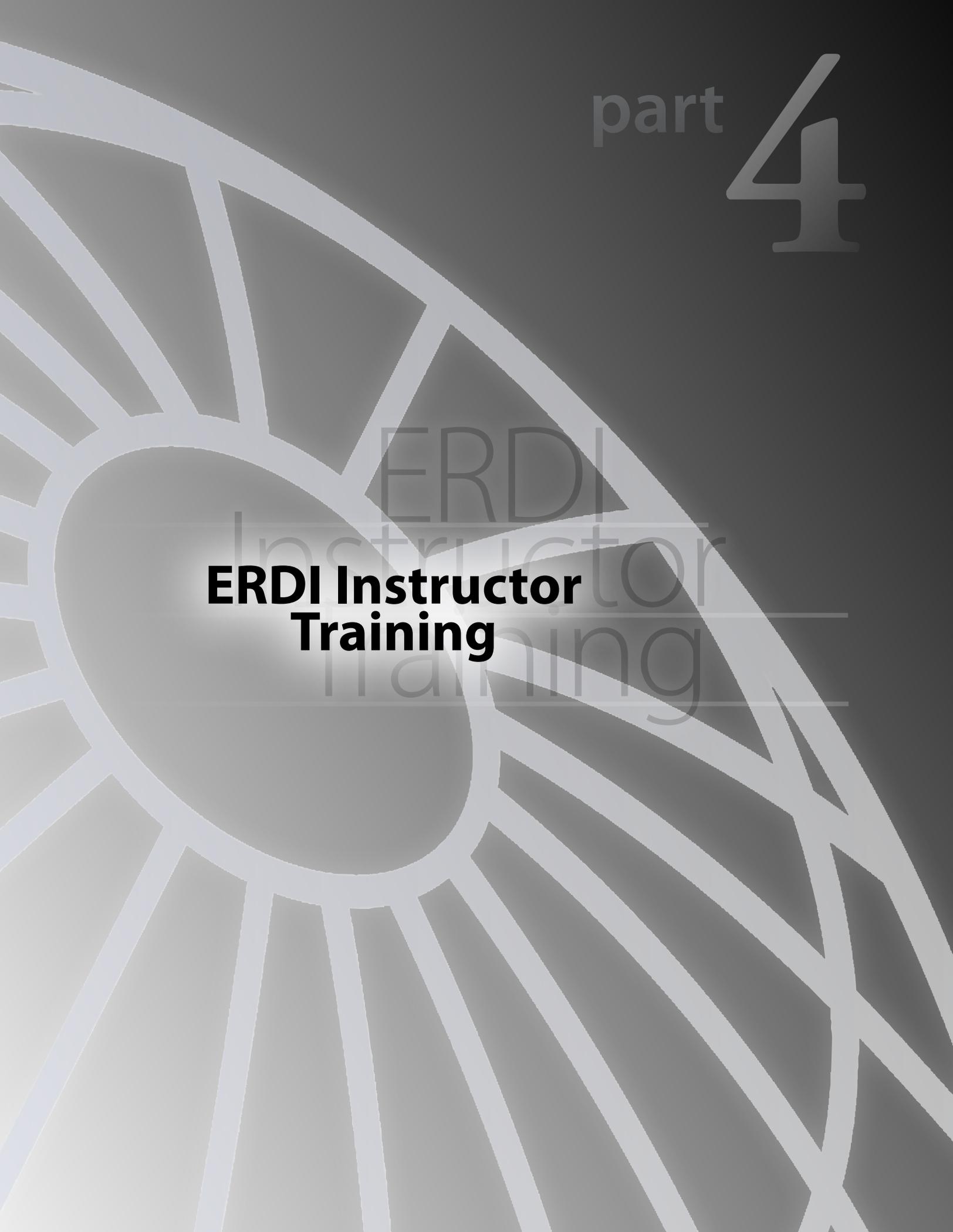


part

4

A large, stylized sunburst graphic in light gray, composed of a central circle and numerous radiating lines of varying lengths, creating a fan-like shape. It is positioned on the left side of the page, partially overlapping the text.

**ERDI Instructor  
Training**



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# About the ERDI Instructor Courses

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The Instructor Trainer Manual Part 1, along with this section Part 4, are used to train new ERDI Instructors, The Instructor Trainer will be directed to Part 1 or Part 4 during the training process.

A PowerPoint® presentation has been developed to complement the trainer manual to supplement the training process.

Naturally, this information may be supplemented by the instructor based upon past experience combined with local customs, governmental bodies and regulations and the local diving environment.

## Objectives

The object of this program is to:

- Introduce the instructor candidate to ERDI
- Introduce the candidate to all of the programs they will be qualified to teach
- Introduce the candidate to all of the instructor materials and student materials for those programs they will be teaching
- Demonstrate how to use all of the support materials to teach those programs
- Teach the instructor “How to Conduct” each of those programs, listing helpful hints on “How to Teach” academics as well as possible problems they may experience in the pool /confined water and open water sessions and ways to handle those problems
- Demonstrate how to register and certify ERDI Divers and Leadership levels
- Demonstrate knowledge about the available levels for most ERDI Diver Levels listed below

## **ERDI Levels**

Many of the ERDI programs can be taught at several levels in accordance with National Fire Protection Association (NFPA) guidelines. The level of participation in the practical portion of the course will determine the final level of certification. The classification levels are: Awareness, Operations and Technician. All ERDI programs are available to public safety professionals regardless of their position within a department.

### **Awareness**

The Awareness level can be completed simply by doing the online academics for the ERDI course of interest. Upon completion of any of the online ERDI Academy courses, an individual will receive an awareness level certificate. For additional insight and understanding of the course, the individual can audit the practical session.

### **Operations**

The Operations level course requires the participant to complete the online academics and also participate in the non-diving segments of the Operations level course taught by an ERDI Instructor. Depending on the program an individual is completing, this portion of the training shows how to properly perform and/or supervise non-diving emergency response duties.

### **Technician**

The Technician level is the final step and requires the participant to complete the required number of practical training sessions under the supervision of an ERDI Instructor. Here the individual will apply what they have learned during the awareness and skill-development sessions, while learning practical lessons that can only be gained through first hand experience and practice.





## Scheduling Options

- List of variations on scheduling

There are various options when scheduling an ERDI Instructor course. Much of it will depend on whether the candidates are local or traveling from out of town, and how quickly they would like to complete their training. Below are listed some scheduling options.

### Compressed

The compressed method is typically a week long program that will suit those wishing to complete their training in a short amount of time.

Individuals who must travel to take the course or those who must take time off from their full-time employment may appreciate the format of the compressed program.

Candidates must be prepared and have experience as an assistant instructor to make this compressed training program enjoyable. Should they not have those two qualities they will struggle to complete the program.

## **Apprentice**

By far the best way to learn is to watch, assist, and participate in the training of new divers. This method will take a longer period of time than the compressed method but the instructor candidate will have the advantage of working with actual divers under actual situations that will allow them to see and deal with actual problem situations. They will also get to see the excitement and joy a student has as they accomplish each step towards their certification.

## **Multiple meetings**

The multiple meetings method involves recurring meetings over a period of time. The meetings typically occur once or twice per week, such as Tuesdays and Thursday evenings, and usually last no more than three hours each. The amount of information presented at these meetings is more limited than with other methods. The meeting schedule is usually worked out between all of the instructor candidates and IT to accommodate everyone's schedule. Be careful not to allow too much time between meetings as the candidates may find it hard to recall previous information. The drawback to using this method is it can take a long time to complete the program. A combination of the multiple meetings and apprentice programs works well. The instructor candidates can learn a little and then go apply it as they assist an instructor.

## **Additional Training Activities**

In addition to the academic material addressed in the student manual and this instructor guide, the ERDI Instructor Course includes required training activities in pool / confined water and open water, as well as the specific performance requirements for all ERDI Instructor candidates. Accordingly, the reader is directed to the current ERDI Standards for additional information regarding the requirements for the ERDI Instructor certification.



## Welcome & Course Orientation

- ▶ Paperwork
- ▶ Let's Get to Know Each Other
- ▶ About This Program

### Paperwork

.....

- Instructor Registration Form
- Personal Information
- Liability Release
- Medical Statement

# Let's Get to Know Each Other

.....

## Professional Staff

### Participants

- Your name?
- What type of public safety diving experience do you have?
- Which diving activities interest you the most?
- Why are you interested in becoming a public safety instructor?

## About This Program

.....

### Course Objective

- Develop the appropriate knowledge and skills that are expected of every dive professional

### Subject Areas

- The ERDI Instructor
- Dive Leader Risk Management
- Methods of Instruction
- Courses an ERDI Instructor Can Teach
- Business Side of Diving

## **Structure and Schedule**

- Independent Study
- Classroom Presentations
- Confined Water Training
- Open Water Training

## **Required Equipment**

- Items you'll need for this course

## **Any Questions?**





## Teaching the ERDI Professional Courses (Scuba and non-diving)

- ▶ ERDI Requirements for Instructor Certification
- ▶ Required Skill Performance for ERDI IDC

### ERDI Requirements for Instructor Certification

.....

#### Requirements for Instructor

- Prerequisites to start the ERDI program include:
  - Minimum age 18
  - Provide proof of 100 logged dives, of which 75 need to be public safety dives, combined operations and training, as a member of a recognized public safety dive
  - Certified as an SDI Instructor or the equivalent

- Hold a current CPR and first aid certification (i.e. current and valid CPROX1st certification)
- Current medical examination for diving
- Certified as an ERDI Supervisor or equivalent
- Certified as an ERDI Dry Suit Ops and Full-face Mask Ops or the equivalent
- Possess the minimum instructional equipment as defined in the leadership standards

**In addition to the prerequisites, there are additional requirements that must be met for ERDI Instructor certifications, Non-Open Water and Instructor. These requirements are as follows:**

## **Required Skill Performance for ERDI IDC**

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- ERDI Instructor candidates will need to complete:
  - 800 metre mask, snorkel and fins swim non-stop. Use of arms is not permitted; recommended completion time is less than 16 minutes
  - 500 metre distance swim, nonstop, without the use of swim aids; recommended completion time is less than 14 minutes
  - 100 metre buddy tow in full scuba equipment; recommended completion time is less than 4 minutes
  - Survival-float without aids, for 15 minutes. During the last 2 minutes the student will keep their hands above the waterline
  - Demonstrate the ability to conduct an underwater search in black water or simulated black water using a tether line

- Demonstrate the ability to effectively tend a diver
- Demonstrate the ability to supervise the proper rigging and lifting, with lift bags, of a body sized object so that proper ascent rate is maintained, entanglements minimized and a free fall area maintained below the object
- Demonstrate the ability to successfully complete a rescue of an inert diver from a depth of no more than 6 metres / 20 feet in black water or simulated black water to include locating the diver using a tether, ascending with the diver maintaining an open airway and towing the diver 100 metres / 330 feet in less than 4 minutes
- Demonstrate the ability to safely approach and provide assistance to a panicked diver on the surface

### **Required Skill Performance for IEC, the student must:**

- Present one classroom presentation
- Present one confined water presentation
- Present one open water presentation
- Complete the ERDI Instructor examination
- The evaluating instructor trainer must verify all required subjects were covered and skills were performed

### **Upon successful completion of this course, graduates may teach:**

- ERDI Tender
- ERD I
- ERD II
- ERDI Supervisor courses

## **Non-Diving Specialty Instructor**

**In addition to the prerequisites, there are additional requirements that must be met for ERDI Non-Diving Instructor certifications. These requirements are as follows:**

- Present a minimum of 3 academic presentations; a minimum of 15 minutes long, on subjects from the ERDI Specialty they will be teaching after graduation
- Present a minimum of 2 practical presentations; a minimum of 15 minutes long, on subjects from the ERDI Specialty they will be teaching after graduation
- Satisfactorily complete all skill performance and graduation requirements for the ERDI Specialty they will be teaching
- Demonstrate the ability to correctly remediate exam questions with a student
- Satisfactorily complete the standards and procedures instructor exam
- Demonstrate mature and sound judgment concerning class planning and execution

Graduates of the ERDI Non-Diving Specialty Instructor Course may upgrade to other non-diving specialties without completing the full course again. However, all prerequisites, skill performance and graduation requirements for any additional specialty must be met and it must be conducted by an active and qualified instructor trainer.



## The ERDI Instructor

(See Chapter 2 from Part 1)

In addition to the information from Chapter 2/Part 1 the trainer must discuss the following:

- ▶ Occupational Safety and Health Administration (OSHA) Regulations
- ▶ Discuss pertinent information for OSHA Regulations
- ▶ National Fire Protection Association (NFPA) standards
- ▶ Hand out copies of NFPA standards #1006, 1561, 1670



## Methods of Instruction

(See Chapter 4 from Part 1)





## Public Safety Diving

- ▶ The Dive Team
- ▶ The Impact of Diving Education
- ▶ Recruiting New Public Safety Divers
- ▶ Public Safety Diver Retention
- ▶ The Public Safety Diver's Role

## The Dive Team

.....

### Importance of the Dive Team

Without the dive team local entities would be without in-water help. They would have to rely on outside resources to respond when an in-water situation occurs. Available through the dive team is:

- Knowledge and training to perform accordingly
- On-going training
- Specialized equipment to be used for unique operational dives
- Have or have access to air fill capabilities
- All dive team equipment is identical to eliminate confusion
- The goal of the dive team is to create a well-trained dive team that can respond quickly and efficiently

# The Impact of Diving Education

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## Two methods

- First; “School of Hard Knocks” learn as you go
- Second; formal education
  - Continuing education is important to develop comfortable confident divers
  - Promote from the beginning of the entry level diver program
  - Encourage students to continue with their training
  - Scheduling critical
  - Students trust dive professionals they have been taught by

## Recruiting New Public Safety Divers

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It is not difficult to recruit new public safety divers for the team. New individuals will want to be part of the “elite” dive team. They must understand that public safety diving is far different than sport diving. In sport diving, the diver can “choose” to dive or not to dive. Public safety divers have to dive as it is part of their job. Public safety diving is not the place for ego and machismo.

## Public Safety Diver Retention

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Retaining public safety divers is a far greater task than recruiting new divers:

- Become disenchanted with the process

- Suffer potential diving career injuries / medical condition
- Age
- Promotions in rank

Note to instructor: Public safety divers should not be involved in any training dive unless they truly wish to be involved.

## The Public Safety Diver's Role

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- Use dive team equipment
- Continue their training
- Be familiar with specialized equipment that will be used
- Team members who practice with team equipment will be more comfortable diving when they have to respond to an in-water situation

## Summary

.....

- The Dive Team
- The Impact of Diving Education
- Recruiting New Public Safety Divers
- Public Safety Diver Retention
- The Public Safety Diver's Role





# Courses an ERDI Instructor Can Teach

- ▶ Introduction
- ▶ Courses a Non-Diving Specialty Instructor Can Teach
- ▶ Courses an ERDI Instructor Can Teach

## Introduction

.....

Non-Diving Specialty Instructor can teach several Ops specialties once they have completed the appropriate training. The ERDI Instructor will be qualified to teach several programs including ERD I and ERD II, Supervisor and Tender. Each course is discussed briefly here.

## **Courses a Non-Diving Specialty Instructor Can Teach**

.....

- Program overview
- Materials
  - Specific Specialty Instructor Guides for the specialty they will be qualified to teach upon graduation
- Required paperwork
  - Discuss in detail how the instructor should complete the required paperwork
    - Waiver
    - Medical
- Complete a thorough review of specific non-diving specialty instructor guide and standards for the specific specialty including how to conduct:
  - Academic sessions

## **Courses an ERDI Instructor Can Teach**

.....

### **ERD I Diver Course**

- Program overview
- Materials

- Required paperwork
- Discuss in detail how the instructor should complete the required paperwork
  - Diver Training Folder
  - Waiver
  - Medical Questionnaire
- Complete a thorough review of the ERD I Instructor manual including how to conduct:
  - Academic sessions
    - Cover helpful hints on how to teach more involved subjects
  - Pool/ Confined water sessions
    - Helpful hints on:
      - How to teach skills
      - Possible problems an instructor may experience
      - How to deal with those problems
  - Open water sessions
    - How to conduct skills in open water vs pool/confined
    - Possible problems an instructor may experience in open water
    - How to deal with those problems

## **ERD II Diver Course**

- Program overview
- Materials
- Required paperwork

- Discuss in detail how the instructor should complete the required paperwork
  - Diver Training Folder
  - Waiver
  - Medical Questionnaire
- Complete a thorough review of the ERD II Instructor manual including how to conduct:
  - Academic sessions
    - Cover helpful hints on how to teach more involved subjects
  - Pool/ Confined water sessions
    - Helpful hints on:
      - How to teach skills
      - Possible problems an instructor may experience
      - How to deal with those problems
  - Open water sessions
    - How to conduct skills in open water vs pool/confined
    - Possible problems an instructor may experience in open water
    - How to deal with those problems
  - Printed materials

## **Tender Course**

- Program overview
- Materials
- Required paperwork
- Discuss in detail how the instructor should complete the required paperwork

- Diver Training Folder
- Waiver
- Medical Questionnaire
- Complete a thorough review of the ERD II Instructor manual including how to conduct:
  - Academic sessions
    - Cover helpful hints on how to teach more involved subjects
  - Pool/ Confined water sessions
    - Helpful hints on:
      - How to teach skills
      - Possible problems an instructor may experience
      - How to deal with those problems
  - Open water sessions
    - How to conduct skills in open water vs pool/confined
    - Possible problems an instructor may experience in open water
    - How to deal with those problems
  - Printed materials

## **ERDI Supervisor Course**

- Program overview
- Materials
- Required paperwork
- Discuss in detail how the instructor should complete the required paperwork

- Diver Training Folder
- Waiver
- Medical Questionnaire
- Complete a thorough review of the ERD II Instructor manual including how to conduct:
  - Academic sessions
    - Cover helpful hints on how to teach more involved subjects
  - Pool/ Confined water sessions
    - Helpful hints on:
      - How to teach skills
      - Possible problems an instructor may experience
      - How to deal with those problems
  - Open water sessions
    - How to conduct skills in open water vs pool/confined
    - Possible problems an instructor may experience in open water
    - How to deal with those problems
  - Printed materials



## Conducting ERDI Instructor Course Pool / Confined Water / Open Water Sessions

- ▶ Conducting Pool / Confined Water Sessions
- ▶ Conducting ERDI Instructor Course Open Water Sessions

### Conducting Pool / Confined Water Sessions

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The pool / confined water sessions should be divided into several sessions. Below is a suggestion of what to cover over three sessions.

NOTE: Non-Diving Specialty Instructor are not required to complete the water sessions.

#### First session

- Should focus on the swim evaluation:
  - 500 metre swim on the surface, non-stop, any stroke, without the use of swimming aids, in less than 14 minutes; swim goggles permitted

- 800 metre swim with mask, snorkel, and fins non-stop without the use of arms in less than 17 minutes
- Perform a 15 minute survival float without the use of swimming aids, during the last 2 minutes the candidate must keep their hands above the waterline
- 100 metre buddy tow in full scuba equipment; recommended completion time is less than 4 minutes
- Perform, to demonstration quality, one complete rescue scenario

## **Second session**

- Should be more of a workshop on “How to Teach” the skills from the ERDI 1 and ERDI II diver programs. Helpful hints on how to teach, possible problems an instructor may experience in the pool /confined water, and how to resolve those problems. Control techniques to be used for various locations and skills, shallow end compared to the deep end, having an assistant available, not having an assistant available.
- During this time candidates should be allowed to “Test Teach” under the trainer’s guidance any and all skills so they become comfortable teaching the skills.

## **Third session**

- The third and subsequent sessions should be designed for the candidates to show preparation and planning of at least two lessons in confined water. These lessons will be evaluated using the in-water evaluation form. The candidate must show preparation, planning and control in dive management, diving activities, and proper pool/confined water problem solving.

# Conducting ERDI Instructor Course Open Water Sessions

.....

The open water sessions should be divided into several sessions. Below is a suggestion of what to cover over three sessions.

## First session

- Should focus on the skill evaluation and demonstrate the ability to:
  - Conduct an underwater search in black water or simulated black water using a tether line
  - Effectively tend a diver
  - Supervise the proper rigging and lifting, with lift bags, of a body sized object so that proper ascent rate is maintained, entanglements minimized and a free fall area maintained below the object
  - Successfully complete a rescue of an inert diver from a depth of no more than 6 metres / 20 feet in black water or simulated black water to include locating the diver using a tether, ascending with the diver maintaining an open airway and towing the diver 100 metres / 330 feet in less than 4 minutes
  - Safely approach and provide assistance to a panicked diver on the surface
  - Perform, to demonstration quality, one complete rescue scenario

## Second Session

- Should be more of a workshop on “How to Conduct” the skills, in the open water, from the ERDI I and ERDI II diver programs. Helpful hints on

how to brief the skills, possible problems an instructor may experience in the open water, and how to resolve those problems. Control techniques to be used for various locations and skills, good visibility compared to limited visibility, having an assistant available, not having an assistant available.

- During this time candidates should be allowed to “Test Evaluate” under the trainer’s guidance any and all skills so they become comfortable evaluating the skills in open water. This is not the time for the final evaluation of the IDC.

### **Third Session**

- The third and subsequent sessions should be designed for the candidates to show preparation and planning of at least two lessons in open water. These lessons will be evaluated using the in-water evaluation form. The candidate must show preparation, planning and control in dive management, diving activities, and proper pool/confined water problem solving.



## Teaching the ERDI Ops Instructor Course

- How to Become Qualified to Teach
- Ops Instructor Training

Once the ERDI Instructor candidate has successfully passed their IEC and started teaching, they will want to expand their abilities to teach other programs such as Ops Components. As with any other program they have become qualified to teach, they must be familiar with the materials and standards to teach the various specialties. Once an ERDI Instructor has completed their initial ERDI Ops Instructor course they will not be required to complete the entire program again; they simply will focus on the next Ops course(s) they are qualifying to teach with emphasis on the academic presentations and in-water presentations. Below is information on training specialty instructors.

# How to Become Qualified to Teach

.....

There are two ways an instructor can become qualified to teach an Ops component: attend an Ops instructor program or apply through an administrative upgrade with the proper prior experience and knowledge.

## Administrative Upgrade

If the instructor has at least twenty-five (25) logged dives in an Ops area, they can apply through the administrative upgrade process. To apply through this process the instructor will complete the ERDI Ops upgrade form and submit it to headquarters or their local regional office with verification of the logged dives.

## Attend an Ops Component Instructor Program

If the instructor wishes to teach an Ops component and they have at least 10 logged dives in the Ops component but not the 25 logged dives required for an administrative upgrade, they can attend an ERDI Ops Instructor program, conducted by a qualified IT.

# Ops Instructor Training

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- Must purchase instructor materials for Ops that ERDI has available
- Course Overview
  - Academic Session
    - Prepare and present an academic presentation(s) for Ops they are applying for

- Review the following areas
- Materials to be used when teaching specialties
  - Instructor Guide
  - Instructor Resource CD
  - Student materials
  - On-line programs
- Paperwork required for Ops
  - Liability form
  - Medical history form
- Specialty Standards found in current ERDI Standards and Procedures manual
- In-water Session
  - Prepare and present in-water presentation(s) for specialties they are applying for

## **Certification card issuance**





# Marketing ERDI Professional Courses

## Marketing This Program

## Marketing This Program

.....

ERDI Instructor programs are generally set by the need of the departments requesting the training.

