

## **2. Supervisor**

### **2.1 Introduction**

The purpose of the ERDI Supervisor course is to qualify the experienced emergency response diver to supervise emergency response diving teams. It also serves as a base to develop leadership qualities and as a prerequisite to ERDI Instructor Training.

### **2.2 Student Prerequisites**

1. Minimum age 18
2. Must be ERD II certified or equivalent
3. Current CPR, first aid and oxygen administration certification
4. Provide proof of 50 public safety logged dives, combined operational and training, as a member of a recognized public safety dive team. Logged dives are those dives where the diver was underwater on scuba. Surface support dives do not count toward this requirement.
5. Have a current medical examination for diving

### **2.3 Qualifications of Graduates**

Upon successful completion of this course, graduates may supervise emergency response diving operational calls and assist ERDI Instructors as appropriate providing that all training conform to NFPA 1006, 1561 and 1670 guidelines or for regions not governed by National Fire Protection Association (NFPA), any regulatory or legal requirements that apply to professional and/or volunteer public safety and emergency response divers.

### **2.4 Who May Teach**

Any active ERDI Instructor may teach this course

## 2.5 Administrative Requirements

1. Have the students:
  - a. Complete the *ERDI Liability Release and Express Assumption of Risk* Form
  - b. Submit the *ERDI Medical Statement* Form signed by a licensed physician
2. Communicate the schedule of the course to the students
3. Ensure that the students have the required equipment

### Upon successful completion of the course the instructor trainer must:

1. Complete and submit the appropriate leadership registration form to ERDI Headquarters

### The following materials are required for the ERDI Supervisor course:

1. *ERD Response Diver I* Manual or eLearning course
2. *ERDI Standards and Procedures* Manual
3. *SDI Divemaster* Manual
4. *National Fire Protection Association (NFPA) Standards 1006, 1561, 1670* or most current standards \*

**Note:** These items may found online at [www.nfpa.org](http://www.nfpa.org).

### The following materials are recommended for the ERDI Supervisor course:

1. *Encyclopedia of Underwater Investigations* by Cpl. Robert G. Teather C.V.

## 2.6 Instructor to Student Ratio

### Academic

1. Unlimited, so long as adequate facility, supplies and time are provided to ensure comprehensive and complete training of subject matter

### Confined Water

1. A maximum of 6 students per ERDI Instructor

### Open Water:

1. A maximum of 6 students per ERDI Instructor are allowed; it is the instructor's discretion to reduce this number as conditions dictate

## 2.7 Course Structure and Duration

### Open Water Execution

1. Student must complete 2 open water dives
2. Student must supervise 4 simulated incident scenarios
3. The maximum depth must not exceed 18 metres/ 60 feet on any dive
4. All dives must be completed during daylight hours
5. Upon successful completion of the dives, the student must complete his logbook and the ERDI Instructor must sign off on the completed dives

### Upon successful completion of the course the instructor trainer must:

1. Complete and submit the appropriate leadership registration form to ERDI Headquarters

### Course Structure

1. ERDI allows instructors to structure courses according to the number of participants and their skill level.

### Duration

1. Classroom and briefing: Approximately 40 hours
2. Confined water: Approximately 6 hours

## 2.8 Required Equipment

Same equipment as required for an ERD I Diver

## 2.9 Academic Outline

1. History of ERDI and International Training
2. ERDI Standards and Procedures
3. Liability and Insurance
  - a. Risk management
  - b. Waivers and releases
  - c. Accident/Incident report form completion
4. Products and Procedures
  - a. How to place an order
  - b. Renewals
5. Knowledge Development
  - a. Professionalism and ethics
  - b. Physics
  - c. Physiology and diving injuries
  - d. Equipment
  - e. Dive site supervision
  - f. Diving logs and checklists

6. Special Activities Requiring Special Supervisory Procedures
  - a. Confined water procedures
  - b. Open water procedures
7. Anatomy of a Public Safety Diving Accident
  - a. The panic circle as a factor in accidents
  - b. Training for panic prevention
  - c. Common accident types
  - d. Proper intervention
8. Occupational Safety and health Administration (OSHA) Regulations
  - a. CFR 29, Part 1910
  - b. [www.OSHA.gov](http://www.OSHA.gov)
9. National Fire Protection Association (NFPA) Guidelines
  - a. NFPA 1006
    - i. Standard for Rescue Technician Professional Qualifications
  - b. NFPA 1561
    - i. Standard for Emergency Services Incident Management System
  - c. NFPA 1670
    - i. Standard on Operations and Training for Technical Search and Rescue Incidents
  - d. [www.nfpa.org](http://www.nfpa.org)
10. Supervising and Controlling Divers in Varying Conditions
  - a. Incident management systems (IMS)
  - b. NFPA 1561
  - c. Risk benefit analysis
  - d. Communications
  - e. Patterns
  - f. Observations
11. Cooperation with Interagency Operations
  - a. Cross training
  - b. Communications
  - c. Liaison
12. Interviewing Techniques
  - a. Separate multiple witnesses if possible
  - b. Establish rapport
  - c. Contact info
  - d. Validating information
  - e. Interviewing away from scene

13. Interaction with Victim's Families
  - a. Keeping informed
  - b. Isolate from scene
  - c. Assign team member to family
  - d. Proper handling of victim
14. Interaction with Bystanders
  - a. Isolate
  - b. Use as needed; information
15. Interaction with Media
  - a. Public information officer
  - b. Family should hear information first
  - c. Accurately describe the mission, hazards, operations
  - d. Nothing should ever be "off-the-record"
  - e. Turn Media/Press into friend

## 2.10 Confined Water Outline

**Students are required to successfully complete the following skills:**

1. 800 metre mask, snorkel and fins swim non-stop. Use of arms is not permitted in less than 16 minutes
2. 500 metre distance swim, nonstop, without the use of swim aids in less than 14 minutes
3. 100 metre approach to a fully suited diver followed by a 100 metre diver tow in less than 4 minutes
4. Survival-float, without aids, for 15 minutes. During the last 2 minutes the student will keep their hands above the waterline

**The following skills are recommended as watermanship development skills of which the ERDI Instructor should use 2:**

1. Three diver weight belt support exercise, consisting of:
  - a. Working together in water too deep to stand in, 3 students will support, above the water line, a weight belt with 14 kilograms/ 30 pounds for 5 minutes
2. Simulated bailout consisting of blacked out mask, switching to redundant air supply, bailout of primary and surfacing
3. Swim at least 8 metres / 25 feet underwater without a mask, recover, don and clear the mask prior to surfacing

## 2.11 Open Water Performance Requirements

During all open water training there will be an ERDI Supervisor, Instructor or Instructor Trainer present and equipped to respond to an in-water emergency at all times. During any in-water training, NFPA 1006 and NFPA 1670 standards must be followed, or for regions not governed by NFPA, any regulatory or legal requirements that apply to professional and/or volunteer public safety and emergency response divers.

### **Student will satisfactorily perform the following emergency response diving skills:**

1. Recover a drowning victim, demonstrating correct procedures for handling including evidence recovery, utilizing any search pattern
2. Recover a small object demonstrating correct procedures for handling including evidence recovery, utilizing any search pattern
3. Act as incident commander, in compliance of NFPA 1561, or for regions not governed by NFPA, any regulatory or legal requirements that apply to professional and/or volunteer public safety and emergency response divers at 4 separate simulated incident scenarios. Student will:
  - a. Assess and secure scene
  - b. Brief and deploy team
  - c. Supervise the recovery of a small object, large object, victim recovery, and primary diver in trouble
  - d. Supervise decontamination procedures for each dive
  - e. Debrief the team
4. 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
5. Demonstrate the ability to safely approach and provide assistance to a panicked diver on the surface

## 2.12 Certification Requirements

1. Assist with 1 complete ERD I or ERD II course
2. Satisfactorily complete all academic, confined water and open water requirements
3. Satisfactorily complete swim evaluation requirements