



BOAT-BASED OPERATIONS

Program Information Guide

Topics

OBJECTIVE - This customized program is designed to introduce public safety personnel to the skills required to safely operate department watercraft for diving, water rescue and search operations. We customize this program to insure that students receive training specific to their particular vessels and accessories.

CERTIFICATION - Boat-Based Operations

RECOMMENDED FOR - All public safety personnel tasked with operating and maintaining a department fire/rescue vessel. Current DRI graduates wishing to increase their skills and knowledge.

DURATION - 3 Days/24 Hours

TUITION - \$385.00 (US Funds) per student

CLASS SIZE - The optimal number of students is 20 (15 paid/5 free to hosting agency). A minimum of 12 students is recommended for quality.

PREREQUISITES - all students must be a member of a public safety agency and at least 18 years of age. Students must also read and complete a RSTC medical statement prior to attending class. Any diver answering yes to any contraindication must have the form signed by a physician. All diving personnel must provide proof of Dive Rescue I certification.

This program is designed for personnel who are physically fit. Participants are encouraged to participate after successfully completing the IADRS Watermanship Test or testing to a fitness level of 13 MET (Metabolic Equivalents) or greater. Participants with aerobic fitness questions or concerns should consult their physician prior to in-water training. Participants who have poor aerobic fitness may attend this program as surface support personnel with the approval of the instructor.

OPEN-WATER SELECTION - The training site should include a launching ramp, docking area and open-water for boat handling operations. The open-water site should be in close proximity to the classroom facility. Students will not be allowed to dive below 40 feet.

POOL SELECTION - The pool must be scheduled for at least four hours, from 1pm to 5pm. The pool must have an area at least 10 feet in depth, and must be at least 40 feet wide. Both the deep and shallow ends will be utilized.

Any changes to pool schedule, selection, or minimum size requirements must be approved by Dive Rescue International at least three weeks before class. Typically, hotel pools are too small. A high school, college, or community pool is a better option.

- Overview of Common Boats for Public Safety Diving
- Accessory Equipment
- Principles of Anchoring
- Principles of Launching
- Diver Deployment and Recovery
- Victim Recovery
- Sweep Search Patterns
- Circular Search Patterns

Schedule

DAY 1

8:00-8:30	Registration
8:30-12:00	Classroom
12:00-1:00	Lunch
1:00-5:00	Pool Exercises

DAY 2

8:00-12:00	Field Exercises
12:00-1:00	Lunch
1:00-5:00	Field Exercises

DAY 3

8:00-12:00	Field Exercises
12:00-1:00	Lunch
1:00-4:00	Field Exercises
4:00-5:00	Classroom



MANDATORY HOST EQUIPMENT (Please Initial Each Item)

- _____ 1 oxygen and First Aid kit
- _____ 1 box of clay skeet pigeons
- _____ 4 boats of adequate size with engines in good working order

Please list type, length, motor size:

- 1) _____
- 2) _____
- 3) _____
- 4) _____

- _____ 8 anchors (Danforth) with 10' of lead chain per anchor
- _____ 2 - 100 pound diver search pattern weights
- _____ 8 anchor lines with adequate length for a 7 to 1 scope
- _____ 2 diver or alpha flags per boat



CLASSROOM EQUIPMENT (Please Initial Each Item)

_____ The classroom should be large enough for the class being hosted. The room should be well lit and have adequate air-conditioning/heat. The classroom should have the ability to be darkened with blinds, curtains, or other material to allow viewing of projected images.

_____ A table with chairs for each 2-3 students is the preferred option. This allows for adequate room to spread out class material. A table should be set up at the front of the classroom for instructor materials. Desks are an acceptable option for students if tables are not available.

_____ A dry erase board with markers, cleaner, and eraser located at the front of the classroom is ideal. A chalkboard with chalk and eraser is an acceptable option.

_____ A powerpoint projector should be attached to a computer that is capable of projecting from a USB drive or a CD/DVD.

_____ A large projection screen for should be placed in the front of the classroom. A white classroom wall can be an excellent substitute for a projection screen. If using a classroom wall choose an area approximately 5-6' wide and 4-5' in height.

_____ A television and DVD player with appropriate connecting cord should be available. Large classes (Over 30 students) will require a video projector or multiple televisions. If using multiple televisions, an adequate number/lengths of connecting cables and a video splitter will be required. Elevated stands for the television (s) should be available. An extension cord should be provided for the television. The television and DVD should be tested prior to the instructor's arrival and placed in the front of the classroom.

RECOMMENDED EQUIPMENT

- AED (Automated External Defibrillator)

ADDITIONAL CONSIDERATIONS

Essential Considerations

- Instructor transportation to and from the airport and during his/her stay
- Facilities to clean, dry and store equipment
- Location for students to obtain air fills for their scuba tanks

Recommended Considerations

- Refreshments - i.e. coffee, juice, donuts or muffins during class and practical sessions
- Lunch at open-water site