



## M&A Safety Services

512 Viaulet Road  
Youngsville, Louisiana 70592  
Main: 337-451-4685  
Fax: 337-451-5847  
[www.masafetyservices.com](http://www.masafetyservices.com)

### Water Survival/HUET (METS)

#### Course Outline

**Prerequisites:** This course shall have no formal pre-requisite. Delegates that are not able to swim will be given special attention and instruction as necessary.

**Course Length:** 6-8 hours – Course length shall vary depending on the number of delegates. Total course time includes breaks and meals.

**Class Size:** The maximum number of delegates that may be trained and tested per instructor shall be sixteen (16) in the classroom session and sixteen (16) in the practical session, per pool.

#### Course Objective

- ) Provide delegates with an understanding of general helicopter & boat travel safety.
- ) Delegates will gain the necessary skills and knowledge to assist them with survival in an offshore environment should an unfortunate event occur.
- ) Delegates will be able to demonstrate these necessary skills during practical examination and demonstrate knowledge during written examination

#### Course Design

- ) Power Point© / Lecture / Audio Video / Visual Aids
- ) Demonstrations
- ) Practical Simulations

#### Successful Course Completion

- ) Requires a minimum score of 75% or better.
- ) Grades shall be calculated by dividing the number of questions answered correctly by the total number of exam questions.
- ) Delegates will have no more than thirty (30) minutes to complete the exam.
- ) Successful completion of practical session is mandatory.

#### Course Content Summary

- ) Classroom
- ) Practicals

**Breaks:** 10 minutes (approximately every hour)

**Lunch:** 1 hour

#### Course Outline

Helicopter Transportation



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- ) Pre-flight
- ) Approaching
- ) Boarding

### Boat Travel / Personnel Transfer

- ) Vessel Operation
- ) Personnel Basket Operations
- ) Swing Rope Operations

### Platform Orientation / Emergency Drills

- ) Platform Orientation
- ) Station Bill
- ) Emergency Drills

### Platform Abandonment / T.E.M.P.S.C (Totally Enclosed Motor Propelled Survival Craft)

- ) Platform abandonment
- ) T.E.M.P.S.C
  - o Discuss different types
  - o Methods of release
  - o Tools / survival equipment / supplies

### Life Raft Operations

- ) Location / storage
- ) Operation / deployment
- ) Entering / righting raft
- ) Tools / survival equipment / supplies
- ) Immediate actions upon boarding

### Personal Floatation Device (PFD)

- ) Discuss different types
- ) Location / storage
- ) PFD donning
- ) Entering water from height

### Cold Water Physiology

- ) Discuss Hypothermia
- ) Cold water entry
- ) Survival time
- ) Cold water survival skills / technique
- ) Personal safety equipment



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### Location Aids

- ) Visual
- ) Audio
- ) Electronic
  - o GMDSS (Global Maritime Distress and Safety System)
  - o VHF Radio
  - o SART (Search And Rescue Radar Transponder)
  - o EPIRB (Emergency Positioning Indicating Radio Beacon)
  - o ELT (Emergency Location Transmitter)
  - o ADELTA (Automatically Deployable Emergency Location Transmitter)
  - o PLB (Personal Locator Beacon)

### Helicopter Transportation

- ) Pre-flight/boarding operations
- ) Onboard safety equipment
- ) Aviation PFD
- ) Aviation harness
  - o Discuss different types
  - o Proper position
- ) Helicopter Floatation
  - o Apical flotation
  - o Life raft deployment
  - o Life raft location

### HUET (Helicopter Underwater Egress Training)

- ) 3 stages of ditching
  - o Controlled
  - o Semi-controlled
  - o Uncontrolled
- ) Review Ditching Statistics
- ) Brace Positions/Strike Envelope
  - o 2 point
  - o 4 point
- ) Preparing for Ditching
  - o Ditching challenges
  - o Tools to increase survival
  - o Land ditching
- ) METS simulation orientation
- ) Physical Locate Position
- ) Land Ditching
- ) Underwater Disorientation



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- ) Underwater Escape Procedures
- ) Aircraft Model Exits
- ) Recovery & Preparation for Rescue

### **Practical Session** (conducted in a swimming pool)

Practical shall verify the following:

- ) Properly Don Type I PFD
- ) Platform Abandonment/Water Entry
- ) Board life raft
- ) Demonstrate the HELP & Group HUDDLE positions
- ) Demonstrate the Survival Circle and demonstrate use of Chain formation as a group swim technique
- ) Assist injured swimmer
- ) Don Type I PFD in the water
- ) Demonstrate how to use clothing to make a PFD / 5 minute survival float
- ) Demonstrate underwater egress techniques associated with Helicopter Underwater Egress Trainer system

### **Training Center Provided Material**

- ) PFDs
- ) Coveralls
- ) Helmets
- ) Water Shoes

### **Delegate Requirements**

- ) Swimwear
- ) Towel
- ) Nose Clips or Ear Plugs
- ) Must possess good physical health as the practical training is physical demanding.

### **Reference Material/Documents**

API RP T1, T4, T7  
Washington State Parks and Recreation Commission  
Boating Programs  
International Association Safety & Survival Training  
UNITED STATES SEARCH AND RESCUE TASK FORCE  
SEPCO HSE 0039 REVISION 1  
OPITO – HUET Stress Due to Exits Report (Nov 2006)