

Surface Rescue Swimmer Course

ALTERNATE RESCUE DEVICES

LT. 4.4

INTRODUCTION

- During this unit of instruction the rescue swimmer will learn the alternate rescue devices used in different rescue scenarios. The various equipment listed below will aid the rescue swimmer in these situations. Along with knowing this equipment, the rescue swimmer will become familiar with the maintenance requirements before using the gear.

OBJECTIVES

- State the requirements for maintenance of emergency rescue equipment per NAVAIR 13-1-6 series, NTTTP 3-50.1, and current maintenance requirement cards (MRC's).
- Describe the functional operation of the following Emergency Rescue Equipment per NTTTP 3-50.1:

OBJECTIVES

- V-Blade rescue knife
- Grapnel Hook
- Boat Hook
- Level "A" Medical Kit
- Life Rafts
- Heaving Line
- Tending Line
- Life Rings

OBJECTIVES

- Chemical Light Strap
- Chemical Light
- Blanket

V- Blade Rescue Knife

- Fixed cutting area, on one end cuts material up to 1/4" thickness.
- DZUS (pronounce ZEUS) fastener remover to remove access panels on aircraft (if necessary).
- Handle grip fits either hand comfortably.
- Used to cut parachute risers.

Grapnel Hook

- Multi-prong steel hook.
- Used for recovering aircraft parts, body parts, or hooking a sinking parachute that is out of the reach of the boat hook.
- Weighs 4 lbs. and is attached to 100 feet of 1.5" circumference nylon line via a ¼" chain.

Boat Hook

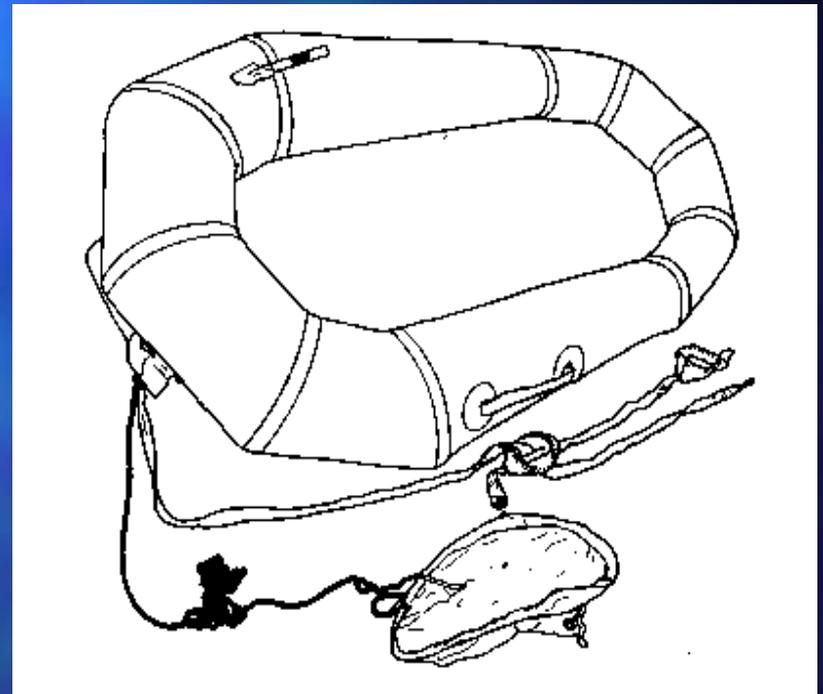
- Six foot wooden staff.
- Has brass hook and prod at one end.
- Normally used to fend off or hold on in a boat.
- For SAR, used by boat crew to snag and retrieve parachute.

Level "A" Medical Kit

- Designed for use by the rescue swimmer and the rescue platform.
- Carried on all SAR capable platforms.
- Rescue swimmer shall have a working knowledge of all contents.

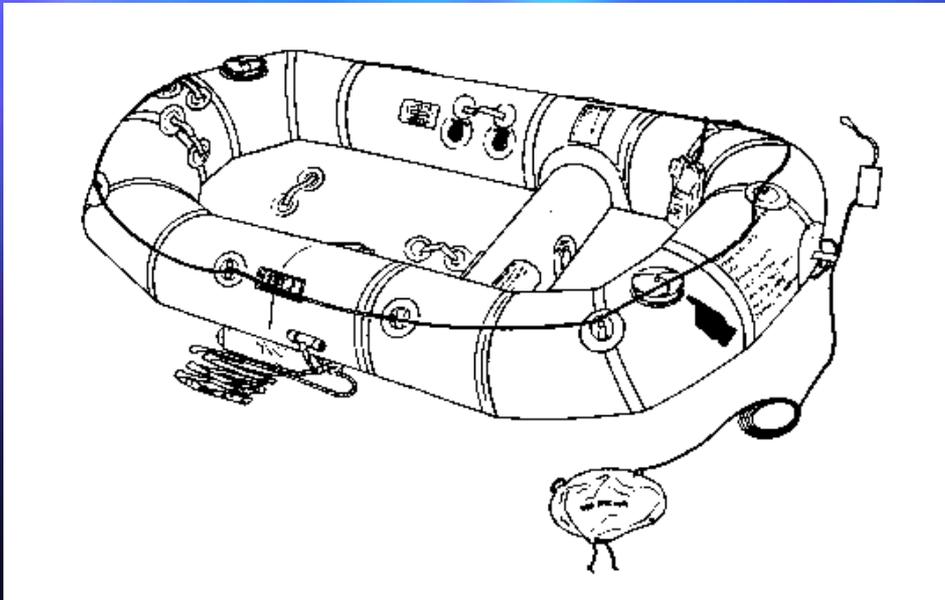
Life Rafts

- Used when numerous survivors are at the rescue scene.
- Can support four times the rated capacity if survivors are placed around outside of raft.
- Can also be used for staging survivors during disentanglement.
- Discard life raft if it becomes a hindrance to the rescue.
- Discard rafts by puncturing prior to leaving scene.



Life Rafts

LRU-12/14

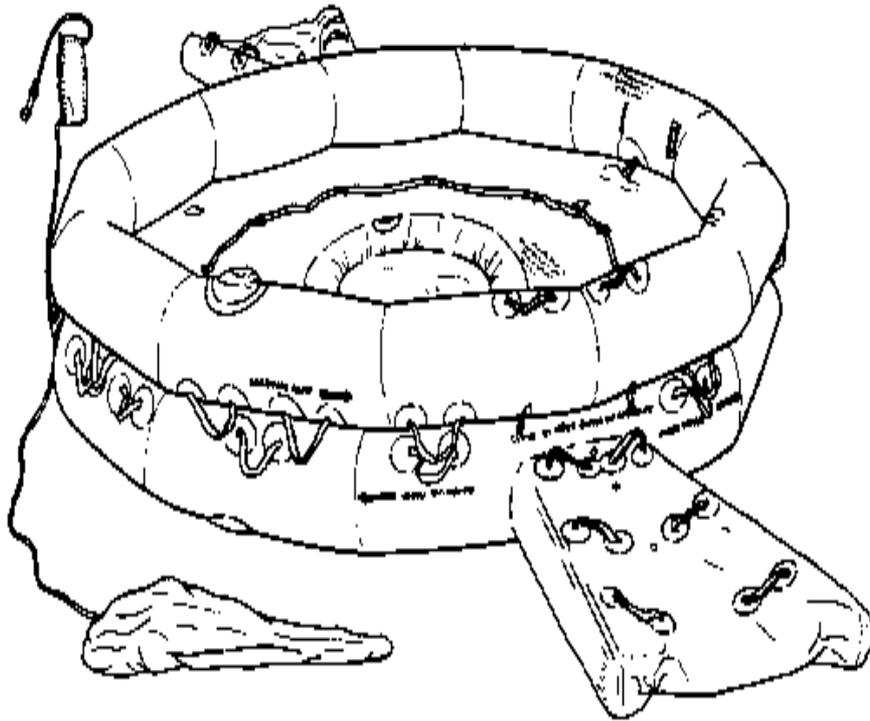


Note

An empty floating raft could start an unnecessary rescue effort.

Life Rafts

LRU 15



Warning

Rotor wash could blow an empty floating raft into a helicopter rotor system.

Heaving Lines

- 3/8" polypropylene line, 100 feet long, with a weighted and padded orange vinyl throwing ball.
- Used during "ship alongside" recovery to get a line to a survivor.
- Thrown passed and over the head of survivors.

Tending Line

- 3/4" circumference
- 300 yard, 800 lb test polypropylene line.
- Has a 2 3/8" snap hook on one end.
- Assembly attaches to swimmer's harness.

Life Rings

- 24" diameter, doughnut-shaped, inherently buoyant material, with at least 100 feet of heaving line attached.
- Has rope attached to perimeter to provide survivors with a handhold.
- Normally used for man overboard, but may be used anywhere that extra flotation is needed.
- Thrown passed and over the head of survivors.

Chemical Lights

- Two types currently in use:
 - 30 minute high-intensity
 - 12 hour general purpose
- Self contained, compact, easily stored.
- Emit Omni-directional light.
- Windproof, waterproof, nonflammable and require no batteries.

Chemical Light Strap

- Nylon strap with three snap hooks.
- One snap hook on each end and one in the middle.

Blankets

- Standard wool blanket is 6x8 feet.
- Used for treatment of hypothermia.

Review

Questions?

