

**1 BOAT CREW SURVIVAL VEST INSPECT/ACCEPT**

REFERENCES:

MPC RSS583054.0

TOOLS/TEST EQUIPMENT:

NONE

EXPENDABLES:

Nylon Cord, Type I, P/N: MIL-C-5040, CAGE: 81349, NIIN: 002402154

CONSUMABLES:

Marker, Permanent, P/N: 7520-00-973-1059, CAGE: 83421, NIIN: 009731059

**A INSPECT SURVIVAL VEST**

1. Apply a locally generated serial number to the underside of the upper right chest pocket flap using permanent marker, P/N: 7520-00-973-1059, (Refer to Figure 1).
2. Inspect survival vest, (Refer to Step 2 A).

**B ATTACH SURVIVAL EQUIPMENT**

1. Inspect the following survival equipment which will be attached to the survival vest, (Refer to MPC RSS583054.0):
  - a. Signal whistle.
  - b. Strobe light
  - c. Personal Locator Beacon (PLB).
  - d. Signal mirror.
  - e. MK-79 Personal Distress Kit.
  - f. MK-124 Smoke and Illumination Signal.
  - g. Survival knife.
2. Attach the following equipment to the webbing loop inside the corresponding survival vest pocket using a sear cut, 42 inch length of Type I Nylon cord, P/N: MIL-C-5040, secured with a bowline and overhand knot on each end, (Refer to Figure 1 and Figure 2):

*NOTE: Finished length of line from knot to knot shall be 36-inches or greater.*

- a. Signal whistle, (right front pocket).



*NOTE: Sirius LED Strobe lights are furnished with a manufacturer installed 42 inch lanyard. The manufacturer installed lanyard is acceptable for use until no longer serviceable.*

- b. Strobe light, (upper right chest pocket).
  - (1) Replace lanyard using a sear cut, 42 inch length of Type I nylon cord secured with a bowline and overhand knot on each end, if required.
- c. Personal Locator Beacon, (left pocket).
- d. MK-79 Personal Distress Kit (right side pocket).
- e. Signal mirror (right front pocket).
3. Attach survival knife sheath to the webbing strap located in the survival knife pocket, (Refer to Figure 2).

*NOTE: Finished length of line from knot to knot shall be 36-inches or greater.*
4. Attach survival knife to the webbing strap located in the survival knife pocket using a sear cut, 42 inch length of Type I nylon cord.
  - a. Place survival knife into sheath.
5. Attach one MK-124 Smoke and Illumination signal to the survival vest as follows:
  - a. Attach a sear cut, 72 inch length of Type I nylon cord to the MK-124 using two surgeon's knots, (Refer to Figure 3).

*NOTE: Finished length of line from knot to knot shall be 36-inches or greater.*
  - b. Attach the opposite end of the lanyard to the webbing loop inside the right front pocket using a bowline with an overhand knot.
6. Document acceptance inspection in the Boat Crew Survival Vest Maintenance Log.



## 2 SEMI ANNUAL BOAT CREW SURVIVAL VEST INSPECTION

### REFERENCES:

MPC RSS583054.0

### TOOLS/TEST EQUIPMENT:

NONE

### EXPENDABLES:

Vest, High Visibility, P/N: 217-CG (Size: Regular), CAGE: 64249, NIIN: 014325893, (If required)

Vest, High Visibility, P/N: 217-LCG (Size: Large), CAGE: 64249, NIIN: 014325896, (If required)

### CONSUMABLES:

Thread, Orange TEX 70, P/N: T004, CAGE: 64249 (or equivalent) (if required)

### A INSPECT BOAT CREW SURVIVAL VEST

1. Check survival vest over its entire surface for the following:

- a. Cuts or tears.
- b. Seam separation.
- c. Loose stitching.
- d. Missing retro-reflective tape.

*NOTE: Unit level repairs are limited to minor re-stitching of Velcro patches, and re-attachment of pockets to mesh.*

e. Perform minor repairs using bonded nylon thread, P/N: T004, if required.

2. Check the attached D-ring for the following:

- a. Corrosion.
- b. Damage.
- c. Security of attachment.

3. Inspect the waist buckle for proper operation.

4. Inspect required vest markings for legibility.

5. Remove Boat Crew Survival Vest from service if any above discrepancies are noted.

- a. Send Boat Crew Survival Vest to repair facility, if repair cost does not exceed the replacement cost.
- b. Replace Boat Crew Survival Vest, P/N: (see expendables list), if repair cost exceeds the replace cost.

6. Inspect legibility of unit serial number marking on the underside of the upper right chest pocket flap.

- a. Restore serial number marking, if required.



**B INSPECT SURVIVAL EQUIPMENT**

1. Inspect the following attached survival equipment, (Refer to MPC RSS583054.0).
  - a. Signal whistle.
  - b. Strobe light.
  - c. Personal Locator Beacon (PLB).
  - d. Signal mirror.
  - e. MK-79 Personal Distress Kit.
  - f. MK-124 Smoke and Illumination Signal.
  - g. Survival knife.
2. Verify survival equipment is attached in the correct location, (Refer to Step 1 B 2.).
3. Inspect lanyards attaching all survival equipment to the survival vest for the following:
  - a. Cuts or frays.

*NOTE: Finished length of line from knot to knot shall be 36-inches or greater.*
  - b. Correct length.
  - c. Security of lanyard attachment to equipment and survival vest.
4. Replace or re-tie lanyards as required, (Refer to Step 1 B).
5. Document semi-annual inspection in the Boat Crew Survival Vest Maintenance Log.





**BOAT CREW SURVIVAL VEST**

**Figure 1**



**Signal Whistle  
(Remove Split Ring)**

**Attach  
Lanyard to Eye  
(Remove & Discard Split Ring)**



**Strobe Light  
LSC Firefly 3**



**Strobe Light  
Sirius LED**



**Manufacturer  
Installed Lanyard**

**Signal Mirror**

**Attach Lanyard  
to Eye**



**McMurdo PLB's**



**Lanyard  
Securing tag**

**ACR ResQLink**



**Attach Lanyard to  
Velcro Strap Bracket**

**MK-79 Kit**

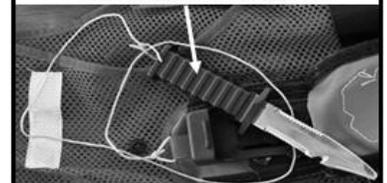


**Attach Lanyard  
to Bandolier Eye**



**Sheath  
Webbing  
Loop**

**Knife with Lanyard**



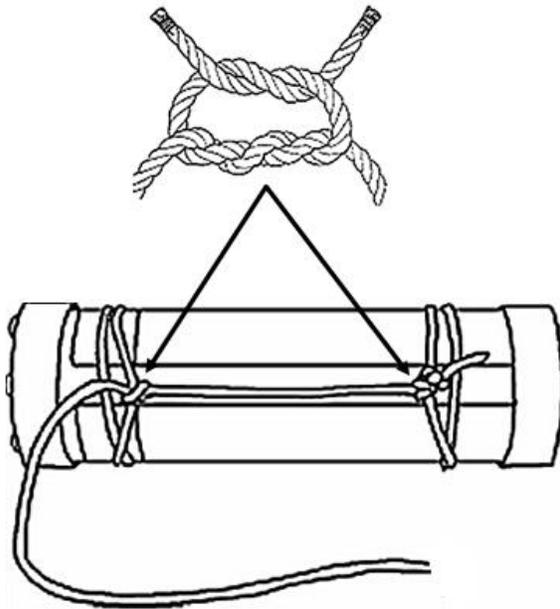
**Survival Knife**

**SURVIVAL EQUIPMENT**

Figure 2



The surgeon's knot is similar to the square knot, except that the first overhand tie is wrapped around the cord or line twice.



Wrap two turns of the cord around one end the MK-124 flare and tie with a surgeons knot followed by an overhand knot. The turns shall overlap and the knots shall be tied snugly against each other.



Route the cord to the other end and repeat the two turns followed by a surgeon's and overhand knot.

### SURGEON'S KNOT

Figure 3

