

D11-North Auxiliary Operations Training Officer
AUXILIARY BOAT CREW SURVIVAL VEST AND SURVIVAL EQUIPEMENT SEMI-ANNUAL
INSPECTION
Revised March 2014

This worksheet is intended to assist Auxiliary Rescue and Survival inspectors. It is a supplement to U.S. Coast Guard Maintenance Procedure Cards and should be used in conjunction with the referenced MPCs to complete semi-annual inspections and test.

Ref: (a) MPC RSS583030.0, Boat Crew Survival Vest Inpect/Accept, 5/01/12
(b) MPC RSS583054.0, Survival Equipment Inspection, 3/21/13
(c) MPC RSS583042.0, 406 PLB INSP/ACCEPT, 8/22/12
(d) 131850Z NOV 13 SUBJ: SIRIUS LED STROBE LIGHT P/N 640 AND 642 RECALL

A. INSPECT BOAT CREW SURVIVAL VEST in accordance with reference (a).

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.
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 Coast Guard Auxiliary marking and legibility.
5. Remove Boat Crew Survival Vest from service if any above discrepancies are noted.
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 ATTACHEMENT OF SURVIVAL EQUIPMENT in accordance with reference (b).

1. Equipment shall be attached to the webbing loop inside the corresponding survival vest pocket using a sear cut, 42 inch length of Type I Nylon cord secured with a bowline and overhand knot on each end. Use only cord supplied by the OTO or Coast Guard unit. NOTE: Finished length of line from knot to knot shall be 36-inches or greater. 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.
2. Verify survival equipment is attached in the correct location.
 - a. Signal whistle, (right front pocket).
 - b. Strobe light, (upper right chest pocket).
 - c. Personal Locator Beacon, (left pocket).
 - d. Signal mirror (right front pocket).
3. Inspect lanyards attaching all survival equipment to the survival vest for the following:
 - a. Cuts or frays.
 - b. Correct length.
 - c. Security of lanyard attachment to equipment and survival vest.
4. Replace or re-tie lanyards as required. Use only type I Nylon cord provided by the OTO.
5. Attach survival knife sheath to the webbing strap.

C. INSPECT and TEST SURVIVAL EQUIPMENT in accordance with reference (b).

1. Inspect signal mirror
 - a. Inspect mirror for cracks or breaks.
 - b. Inspect signal mirror for legibility of instructions printed on back of mirror.
 - c. Replace signal mirror if it is cracked or broken or if instructions are not legible.
2. Inspect signal whistle
 - a. Ensure whistle is not attached to lanyard with a split ring.
 - b. Inspect signal whistle for cracks or seam separation.
 - c. Replace signal mirror if it is cracked or broken or if instructions are not legible.
 - d. Replace signal whistle if it is cracked or has any seam separation.
3. Test signal whistle
 - a. Test whistle by blowing through it normally, then with forced exhalation.
 - b. Replace whistle if it fails to emit a highly audible sound.

4. Inspect PLB for visible signs of damage.

- a. Perform PLB monthly inspect/test if any damage is noted.
- b. Ensure lanyard is connected to lanyard security tag on PLB.

NOTE: Regular PLB maintenance (inspect/test) is already scheduled and performed using reference (c). The above inspection is to identify any obvious defects.

5. Inspect strobe light.

- a. Inspect the strobe light case for cracks or damage.
- b. Replace strobe light if it is cracked or damaged.
- c. Inspect condition of installed hook fastener tape.
- d. Remove batteries from battery compartment.
- e. Discard batteries in accordance with local procedure.
- f. Check battery compartment for corrosion.
- g. Remove corrosion, if required.
- h. Replace strobe light if severe corrosion is noted.
- i. Install two NEW size AA batteries into the battery compartment.
- j. Tighten battery door retainer hand-tight.
- k. Label battery replacement date on strobe using p-touch or similar label.

IAW ref (d) Strobes displaying signs of acid leakage from batteries, discoloration of the surface inside the lens or failure of the strobe to operate properly shall be removed from service.

6. Test strobe light as follows:

- a. Energize strobe light.
- b. Count the flashes per minute using a stopwatch.
- c. Replace strobe light if it fails to emit 50 to 70 flashes per minute.

7. Inspect survival knife:

- a. Inspect survival knife for corrosion.
- b. Remove corrosion using a scouring pad
- c. Inspect survival knife for cracks or breaks.
- d. Replace survival knife if cracked or broken.
- e. Sharpen the survival knife with knife sharpener if necessary. Do not sharpen the point of the knife.

D. Document semi-annual inspection in the Boat Crew Survival Vest Maintenance Log. Notify the OTO of any discrepancies.

Upper Right Chest Pocket

Survival Knife Pocket



Right Side Pocket

Right Front Pocket

Left Side Pocket



**Serial Number Placement
(Underside of pocket flap)**



Bowline with an Overhand Knot