

TECHNICAL MANUAL

**CHECKLIST
for
INDIVIDUAL OVERWATER
SURVIVAL KIT
P/N 11-1-172
NSN 1680-00-973-1863**

**HEADQUARTERS,
DEPARTMENT OF THE ARMY**

24 AUGUST 1981

TM 55-1680-317-CL-3

HEADQUARTERS

DEPARTMENT OF THE ARMY

Washington, DC, 24 August 1981

1. Inspection Requirements. This manual contains complete requirements for Preflight and Calendar Inspection of Individual Over-water Survival Kit. It does not contain instruction for repair, adjustment, or other means of rectifying conditions, nor does it contain instructions for troubleshooting to find causes for malfunctioning. Specific tolerances, limits, etc., can be found in the applicable maintenance manuals. Use of the alphabetical index in the applicable manuals will facilitate locating the required information.

2. Scope. The inspections prescribed by this manual will be accomplished at specified periods by organizational maintenance activities with assistance of direct and general support activities when required.

3. General Information. a. The inspection requirements contained herein are stated in such a manner so to establish when certain equipment is to be inspected and what conditions are desired/undesired. Compliance with the provisions outlined herein is required in order to assure that latent defects are discovered and corrected before malfunctioning or serious trouble results. Inspection requirements

are arranged, as nearly as possible, according to the manner in which they will be performed.

b. The inspection intervals designated herein will not be exceeded except in actual operational emergencies as explained herein. It is the commander's responsibility to determine (on an individual basis) when inspection intervals may be exceeded. For this purpose, operational emergencies are conditions of combat, or conditions of disaster which necessitate flight to evacuate aircraft or personnel. Since safety may be jeopardized when inspections are delayed to meet emergency requirements, commanders will assure that delayed inspections are accomplished immediately upon termination of the actual emergency. When unusual local conditions of environment, utilization, mission, experience of maintenance personnel, periods of inactivity, etc., are encountered, the ALSE NCO/officer will, at his discretion, increase the scope and/or frequency of maintenance or inspections as necessary to insure safety.

4. Special Information. The columns headed P and C are used to indicate the requirements for Preflight and Calendar inspections respectively. The calendar inspection interval is 120 days.

Refer to TM 55-1680-317-23&P for maintenance instructions.

5. Reporting Errors and Recommending Improvements.

You can help improve this manual. If you find any mistake or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to: Commander, US Army Troop Support and Aviation Materiel Readiness Command, ATTN: DRSTS-MTT, 4300 Goodfellow Blvd., St. Louis, MO 63120. A reply will be furnished to you.

For the purpose of clarification of terms used in this manual, the following definitions are given:

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| Specified | Refers to a definite amount, operation, or limitation which has been established and is contained in applicable directives. |
| Evidence | Is an indication of an existing or impending unsatisfactory condition. |
| Security | Means the component is properly mounted or attached to related equipment including applicable safetying. |

Accessible Is the term applied to equipment that may be inspected without further disassembly or removal of components, etc., other than those required to accomplish the more specific requirements applicable to particular inspections.

Excessive Is a term used to describe conditions where specific limitations have not been established. A condition is excessive if it has progressed to the degree that, if not corrected, could result in failure or malfunction of component prior to the next scheduled accomplishment of the requirement which directed attention to the condition.

WARNING

When an abnormal condition is noted and pertinent procedures in this checklist do not specifically relate to the noted irregularity, work will be stopped and technically qualified guidance will be obtained from the life support supervisor before continuing the operation.

PREFLIGHT INSPECTION

The preflight inspection on life support equipment is basically a flight preparedness check. As such, a visual inspection will be performed by the crew, prior to each flight, to assure that the life support equipment is in serviceable, condition. On this basis, a preflight inspection will be required on life support equipment immediately before issue for flight.

CALENDAR INSPECTION

The inspection consists of checking the life support equipment for flight preparedness by performing visual inspection and operational checks of certain components to assure that no defects or maladjustments exist which could cause accidents or aborted missions.

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
	Individual Over-water Survival Kit			
1.	Kit outer case	Holes, cuts, frays, tears, burns; loose or broken stitching; defective- or broken slide fastener; missing or broken pocket tie tape; broken carrying handle; grommet seating; operator's manual in pocket; broken or missing thong; defective or miss- ing duro-dot fastener on thong; missing or damaged chape; damaged connector loop on case inside.	X	X
2.	Inspection Record	Date calendar inspection due.	X	X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
3.	Connecting line	Broken or loose stitching; cuts, frays, burns.		X
4.	Inner case	Holes, cuts, frays, tears, burns; loose or broken stitching; defective-slide fastener; defective ejector snaps and adapters; cut or broken stitching on adjuster straps and connecting strap.		X
5.	Fishing tackle kit	Broken seal around perimeter of container; corrosion of kit contents; broken or cracked container; missing instruction booklet; evidence of tampering.		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
6.	Pocket knife	Rust or corrosion; missing rivets; loose clevis; burrs or rough projections on handle; blades hard to open; nicks or burrs on blades; cutting edge dull; punch blade dull and point is blunt.		X
7.	Fluorescein sea marker	Holes, cuts, or tears in packet; pack opening tap not sealed completely; broken or missing retainer tape; instruction markings missing or illegible; inspect in accordance with TM 5-4220-202-14.		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
8.	Life raft	Holes or tears in flotation tube; evidence of leakage; grease or oil on raft fabric; torn or separated handles; holes or tears in weathershield; weathershield mating fastener tapes damaged or missing; pockets torn or missing; oral inflation valve distorted or broken; missing connector web; cuts, tears, or scuffs on raft floor; inspect in accordance with TM 5-4220-202-14.		X
9.	Carbon dioxide cylinder	Rust, dents, or deep scratches on cylinder body; recharging date data; cylinder weight; inspect in accordance with TM 5-4220-202-14.		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
10.	Inflation valve assembly	Nicks in locking sleeve; nicks or deformity in the brass cam ball retaining hole; frays or loosened ball on pull-cable; spring adapter missing or distorted; broken or stripped threads on outlet valve attaching nut; inspect in accordance with TM 5-4220-202-14.		X
11.	Sea anchor	Holes, cuts, and tears; broken or missing attaching line.		X
12.	Packing list	Torn or missing; legibility.		X
13.	Operator's manual (TM 55-8465-214-10)	Torn; pages missing; legibility; dampness.		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
14.	Boat bailer	Cuts, tears, holes; missing or broken lanyard.		X
15.	Boat paddle	Cracks, dents, rough edges; damage to reflecturized sides; broken or missing handle strap.		X
16.	Sponge	Foreign material imbedded in sponge structure; tears, cuts; material deterioration; pliable.		X
17.	Survival manual(AFM 64-5 FM 20-152 or FM 21-76)	Torn; pages missing; dampness; legibility.		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
18.	Compressed trioxane fuel	Container not sealed on four sides; instructions on container missing or illegible; crushed fuel bar.		X
19.	Frying pan	Dents, cracks, corrosion, sharp edges, burrs, silvers; cleanliness.		X
20.	Signaling mirror	Scratches, chipped, cracks, distortion; illegible operating instructions broken or missing lanyard		X
21.	Inflatable craft repair kit	Stripped threads on plug bottom plate center screw; missing plates; missing wing nut; missing or illegible instructions.		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
22.	Magnetic compass	Cracked or broken dial face cover; operation; original stowed position; missing operations instructions; operation.		X
23.	Waterproof matchbox	Evidence of water penetration; free movement of cap on threads; cap threads stripped or broken; broken or damaged cap or body; cracks, cuts, or tears in sealing gasket; loose or missing sealing gasket; cap striking disc torn or grit missing; chips,; dents, cracks or corrosion on striking bar.		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
24.	Plastic water bag	Tears, cuts, holes, cracks, breaks, or abrasions; sharp creases or wrinkles; attaching components loose or missing; foreign material on bag inside which may damage container or injure user; stickiness, oily film.		X
25.	Plastic spoon	Wrapping missing or torn; previous use; evidence of finger marks, dirt, or grease; cracked or broken.		X
26.	First aid kit	Cuts, tears, loose or broken stitching on case; exposure of kit to water; serviceability of snap fasteners; expiration dates of		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
26.	First aid kit (cont)	medical items; evidence of anti-chap lipstick and benzalkonium chloride tincture leaking; eye pad envelope opened, punctured, or torn; plastic bag containing camouflage compress gauze air tight; crushed meclizine hydrochloride tablets or cracked tablet container; opened containers of muslin bandage or adhesive strips; neosporine tubes present and unopened.		
27.	Matches (non-safety)	Serviceability and container condition.		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
28.	Sunburn-preventive preparation	Damage to the container; evidence of seepage or leakage; illegible instructions.		X
29.	Hat and mosquito net	Holes or tears in netting; broken or loose stitching; missing or broken elastic headband; loose or missing grommets; missing or broken drawstring and elastic pocket attaching loops; insect repellent on elastic; missing or illegible instruction ticket.		X
30.	Reversible sun hat	Cuts, frays or tears; broken or loose stitching.		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
31.	Smoke and illumination signal	Damage, severe dents, or deformity; broken seals; labeling on day and night ends; embossed projections on night end available. Lot numbers and date of manufacture.		X
32.	Seawater desalter kit (MK2)	Seals missing from container seams; missing rivets; cracks, nicks, or burrs on container; broken or missing lanyard; instructions and markings on container missing or illegible.		X
33.	Food packet	Severe dent or a dent causing a sharp ridge; rust which cannot be removed by wiping with a		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
33.	Food packet (cont)	soft cloth; packet punctured or leaking; can opener missing; illegible printed instructions, date of manufacture.		
34.	Additional components	As necessary.		X

Seq. No.	Item to be inspected	Procedures (inspect for)	P	C
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By Order of the Secretary of the Army:

Official:


ROBERT M. JOYCE
Brigadier General, United States Army
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The Metric System and Equivalents

Linear Measure

- 1 centimeter = 10 millimeters = .39 inch
- 1 decimeter = 10 centimeters = 3.94 inches
- 1 meter = 10 decimeters = 39.37 inches
- 1 dekameter = 10 meters = 32.8 feet
- 1 hectometer = 10 dekameters = 328.08 feet
- 1 kilometer = 10 hectometers = 3,280.8 feet

Weights

- 1 centigram = 10 milligrams = .15 grain
- 1 decigram = 10 centigrams = 1.54 grains
- 1 gram = 10 decigrams = .035 ounce
- 1 dekagram = 10 grams = .35 ounce
- 1 hectogram = 10 dekagrams = 3.52 ounces
- 1 kilogram = 10 hectograms = 2.2 pounds
- 1 quintal = 100 kilograms = 220.46 pounds
- 1 metric ton = 10 quintals = 1.1 short tons

Liquid Measure

- 1 centiliter = 10 milliliters = .34 fl. ounce
- 1 deciliter = 10 centiliters = 3.38 fl. ounces
- 1 liter = 10 deciliters = 33.81 fl. ounces
- 1 dekaliter = 10 liters = 2.64 gallons
- 1 hectoliter = 10 dekaliters = 26.42 gallons
- 1 kiloliter = 10 hectoliters = 264.18 gallons

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