



# Maintenance Procedure

## MARITIME COLD WEATHER SUIT SYSTEM (MCWSS)

### ITEM 1. MCWSS PERSONAL ISSUE BUILDUP PROCEDURE

**NOTE** ~

This inspection is required on original issue, when received from supply, on refurbished dry suits and when received from another unit for permanent custody.

### PARTS REQUIRED

Current Version:	USIA Dry Suit USIASYS8888BC-FE
Previous Version:	MSD575 Tactical Dry Suit or Kokatat® Boat Crew Dry Suit

**NOTE** ~

The MCWSS consists of the USIA Boat crew Dry Suit in one of the three authorized color variants. Orange/Black and retro for all personnel. Olive Drab for the PSU's. Blue Shade 3362 (ODU Blue) for the MSRT DAT, MSST MLE/FP and the TACLETS. All new dry suits shall be purchased of the HQ managed contract.

### TOOLS REQUIRED

1/2 Inch Stencils (marking pens with black indelible ink may be used in lieu of stenciling)  
Scissors

### CONSUMABLES

Black Stencil Ink	7510 00 469 7910
Paraffin	9160 00 285 2044
Disinfectant/detergent	7930 01 346 4289
Talcum Powder	6810 00 270 9989

**CAUTION !**

USE EXTREME CARE WHEN TRIMMING LATEX NECK AND WRIST SEALS. AN EVEN TRIM LINE IS ESSENTIAL TO AVOID SPLITTING THE SEAL WHEN THE SUIT IS DONNED. DO NOT TRIM MORE THAN ONE RING AT A TIME. DO NOT ATTEMPT TO TRIM THROUGH TWO LAYERS OF SEAL MATERIAL WITH ONE CUT. NICKS CAUSED BY SHARP POINTS MAY RESULT IN SPLIT SEALS WHEN THE SUIT IS DONNED.



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#### CAUTION !

NEOPRENE .WRIST AND NECK SEALS COME IN ONE SIZE FITS ALL AND SHOULD NOT NEED TO BE TRIMMED TO FIT. SIZING ISSUES WITH NEOPRENE SEALS SHALL BE ADDRESSED TO THE SUIT MANUFACTURER.

1. Only on Latex Seal Suits: Don the dry suit and determine if neck and/or wrist seal trimming is required. Remove the suit.

#### NOTE ~

To avoid over trimming the seals, the user should wear the suit for two or three separate periods of long durations prior to trimming the seals to the correct sizes.

2. Only on Latex Seal Suits: Trim away the outermost raised ridge, immediately below the ridge, on the neck and/or wrist seal. Don the dry suit and determine if further neck and/or wrist seal trimming is required.
3. Only on Latex Seal Suits: Repeat steps 1 and 2 until the seal fits comfortably and remains in snug contact with the users neck or wrist throughout the range of normal movement.
4. Stencil a locally generated serial number on the inside of the suit adjacent to the entrance slide fastener (marking pens with black indelible ink may be used in lieu of stenciling).

#### CAUTION !

TALCUM POWDER USED TO LUBRICATE DRY SUIT SEALS SHALL NOT CONTAIN IMPREGNATED OILS OR SCENTS. IMPREGNATED OILS AND SCENTS WILL DAMAGE SUIT SEALS BY CAUSING PREMATURE DRY ROT AND CRACKING.

5. Lightly dust wrist and neck seals with talcum powder.

#### CAUTION !

ALL NEW OR REFURBISHED DRY SUITS SHALL BE LEAK TESTED PRIOR TO USE. SUITS THAT FAIL THE LEAK TEST SHALL NOT BE PLACED INTO SERVICE.

6. Perform all steps in item 3 and item 2.
7. Document personal issue by recording serial number and user information on AF Form 538.
8. Record serial number and date placed in service on the Boat Crew Dry Suit maintenance log.



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#### ITEM 2. MCWSS SEMI-ANNUAL INSPECTION

##### TOOLS REQUIRED and CONSUMABLES

See lists in ITEM 1 above.

1. Inspect the dry suit over its entire surface area for cuts, tears and seam separations. Any damage found shall be repaired prior to further use.
2. Inspect the entry slide fastener for ease of operation over the entire length. Slide fasteners with loose or missing teeth shall be repaired prior to further use. Lubricate the slide fastener with paraffin.

**CAUTION !** DO NOT DRY THIS SUIT IN A MACHINE DRYER. HEAT WILL DAMAGE THE SUIT.

3. Hand-wash the suit as required in a solution of water and disinfectant/detergent. Rinse completely and hang dry.
4. Restore serial number marking as required.
5. Lightly dust wrist and neck seals with talcum powder.
6. Record date and inspection complied with on the dry suit maintenance log.

#### ITEM 3. MCWSS ANNUAL LEAK TEST

##### TOOLS REQUIRED and CONSUMABLES

**NOTE** 

The annual leak test should be performed prior to dry suit weather to allow sufficient time for repair or replacement of the dry suit.

See lists in ITEM 1 above.

**CAUTION !** DRY SUITS THAT FAIL THE LEAK TEST SHALL BE REMOVED FROM SERVICE.

1. Perform leak test as follows.
  - a. Have the member don undergarments, socks, the dry suit and boots. A hood and gloves shall be worn if required for the local climate
  - b. Have the member enter a body of water deep enough to allow him/her to stand or swim immersed to the top of the neck seal. After a minimum of 15 minutes, have the member exit the water.



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c. Ask the member whether the dry suit leaked. Minor seepage around the wrist and neck seals is normal and does not indicate a leak. Isolated water soaked spots on the undergarment, or soaked socks, indicates a leak. Flooding into the dry suit socks indicates a serious leak.

2. If the suit does not leak proceed with item 2.

**NOTE** ~

Get a quote for non-warranty repair service. Replace the dry suit if the repair cost is more than the price of a new dry suit. Brand new/refurbished dry suits that fail the leak test shall be reported to the Rescue and Survival Systems Program Manager thru your Boat Manager.

**CAUTION !**

**DRY SUITS SHALL BE CLEANED AND THOROUGHLY DRIED PRIOR TO SHIPPING OUT FOR REPAIRS. THE REPAIR FACILITY WILL NOT WORK ON DIRTY/MOLDY SUITS.**

3. For repairs return the dry suit to the manufacturers authorized repair facility.
4. Record date and annual leak test complied with on the dry suit maintenance log.