



MK 25 Mod 2 UBA Checklist

Updated May 2024

ADMINISTRATION

1. (MK2501) Have all MK-25 technicians graduated from a certified school?

Reference: NAVSEA SS600-A3-MMA-010

C R NA UA

- Repeat
 - Significant
 - PMS
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2. (MK2502) Is the MK-25 Underwater Breathing Apparatus (UBA) Pre-dive checklist used?

References: NAVSEA SS600-A3-MMA-010
Marine Corps TM 09603B-14&P/1

C R NA UA

- Repeat
 - Significant
 - PMS
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3. (MK2503) Is MK-25 UBA Post-dive Checklist being used?

References: NAVSEA SS600-A3-MMA-010 Rev 4
Marine Corps TM 09603B-14&P/1

C R NA UA

- Repeat
 - Significant
 - PMS
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4. (MK2504) Is the MK-25 UBA diving supervisor checklists used per the MK-25 Technical Manual?

References: NAVSEA SS600-A3-MMA-010 Rev 4
Marine Corps TM 09603B-14&P/1

C R NA UA

- Repeat
 - Significant
 - PMS
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5. (MK2505) Does each Rig Log have required maintenance history form, Re-Entry Control (REC) forms and Failure Analysis Reports (FAR) IAW technical manual? Are the forms forwarded to NAVSEA OOC as required?

References: NAVSEA SS600-A3-MMA-010 Rev 4
Marine Corps TM 09603B-14&P/1

C R NA UA

- Repeat
- Significant
- PMS

6. (MK2506) Has verification of the correct operational pressure range of the HP oxygen pressure reducer been performed and documented IAW PMS and REC procedures?

References: NAVSEA SS600-A3-MMA-010 Rev 4
Marine Corps TM 09603B-14&P/1
Applicable PMS

C R NA UA

- Repeat
- Significant
- PMS

7. (MK2507) Has verification of the correct operational actuation pressure of the demand valve assembly been performed and documented IAW PMS and REC procedures?

References: NAVSEASS600-A3-MMA-010 Rev 4
Marine Corps TM 09603B-14&P/1
Applicable PMS

C R NA UA

- Repeat
 - Significant
 - PMS
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MK-25 UBA

8. (MK2508) Is the MK-25 shell free of dirt, deterioration, petroleum contamination, and damage?

References: NAVSEA SS600-A3-MMA-010 Rev 4
Marine Corps TM 09603B-14&P/1

C R NA UA

- Repeat
- Significant
- PMS

9. (MK2509) Are the protective caps installed on MK-25 when the oxygen bottle is removed?

References: NAVSEA SS600-A3-MMA-010 Rev 4
Marine Corps TM 09603B-14&P/1
MIL-STD-1330

C R NA UA

- Repeat
- Significant
- PMS

10. (MK2510) Is the canister free of cracks or deterioration?

References: NAVSEA SS600-A3-MMA-010 Rev 4
Marine Corps TM 09603B-14&P/1

C R NA UA

- Repeat
- Significant
- PMS

11. (MK2511) Are the breathing bag and oxygen cylinder straps free of cracks, cuts, and / or deterioration?

References: NAVSEA SS600-A3-MMA-010 Rev 4
Marine Corps TM 09603B-14&P/1

C R NA UA

- Repeat
- Significant
- PMS

12. (MK2512) Is the harness strap assembly in good repair?

References: NAVSEA SS600-A3-MMA-010 Rev 4
Marine Corps TM 09603B-14&P/1

C R NA UA

- Repeat
- Significant
- PMS

13. (MK2513) Are the inhalation and exhalation hoses free of damage and cracking?

References: NAVSEA SS600-A3-MMA-010 Rev 4
Marine Corps TM 09603B-14&P/1

C R NA UA

- Repeat
- Significant
- PMS

14. (MK2514) Is the T – bit/barrel valve in good working order and do the snap rings align?

References: NAVSEA SS600-A3-MMA-010 Rev 4
Marine Corps TM 09603B-14&P/1

C R NA UA

- Repeat
- Significant
- PMS

CYLINDERS

15. (MK2515) Do all oxygen cylinders have current hydrostatic test dates and objective quality evidence (OQE) on file?

References: NAVSEA SS600-A3-MMA-010 Rev 4
Marine Corps TM 09603B-14&P/1
Applicable PMS

C R NA UA

- Repeat
- Significant
- PMS

16. (MK2516) Are the oxygen cylinder annual interior/exterior visual inspections recorded in SKED?

Reference: Applicable PMS

C R NA UA

- Repeat
- Significant
- PMS

17. (MK2517) Is the oxygen cylinder free of gouges, dents and scratches over 0.03 inches deep?

References: NAVSEA SS600-A3-MMA-010 Rev 4
Marine Corps TM 09603B-14&P/1

C R NA UA

- Repeat
- Significant
- PMS

BUOYANCY COMPENSATOR

18. (MK2518) Is the buoyancy bladder free of deterioration, cracks or cuts? Are the seams in good condition (no signs of separation)? Are the drain caps in good working order?

References: NAVSEA SS600-A3-MMA-010 Rev 4
Marine Corps TM 09603B-14&P/1
Applicable PMS

C R NA UA

- Repeat
- Significant
- PMS

19. (MK2519) Are the belts and straps in good condition?

References: Operations and Maintenance Manual
Applicable PMS

C R NA UA

- Repeat
 - Significant
 - PMS
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20. (MK2520) Are the buoyancy compensators in good condition and operate as designed?

References: Applicable PMS
Manufacturer's Tech Manual

C R NA UA

- Repeat
- Significant
- PMS

21. (MK2521) Are the buoyancy compensator relief valves in good condition and working as designed?

References: Manufacturer's Tech Manual
Applicable PMS

C R NA UA

- Repeat
- Significant
- PMS

22. (MK2522) Is the inflation cylinder annual interior/exterior visual inspections recorded in SKED?

References: NAVSEA SS600-A3-MMA-010 Rev 4
Marine Corps TM 09603B-14&P/1

C R NA UA

- Repeat
- Significant
- PMS

FFM

23. (MK2523) Are there signs of cracking, tearing or general deterioration of mouthpiece, mask strap, nose clearing device or buckles?

Reference: Applicable PMS

C R NA UA

- Repeat
 - Significant
 - PMS
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24. (MK2524) Is the M48 Pre-dive and Post-dive checklist being used?

Reference: Manufacturer's Tech Manual

C R NA UA

- Repeat
 - Significant
 - PMS
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25. (MK2525) Is the approved type of defogger used?

Reference: Manufacturer's Tech Manual

C R NA UA

- Repeat
 - Significant
 - PMS
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26. (MK2526) Are all spare parts genuine Kirby Morgan parts?

Reference: Manufacturer's Tech Manual

C R NA UA

- Repeat
 - Significant
 - PMS
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O2 CLEAN

27. (MK2527) Are O2 Safe Area procedures and precautions posted and observed?

Reference: NAVSEA SS600-AQ-MMO-010

C R NA UA

- Repeat
 - Significant
 - PMS
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28. (MK2528) Is the Safe Area clearly marked: "Restricted - O2 Safe Area", "No smoking, eating or drinking"?

References: MIL-STD-1330
OPNAVINST 5100.19F
OPNAVINST 5100.23H

C R NA UA

- Repeat
- Significant
- PMS

29. (MK2529) Are all tools and parts clean and designated for "O2 Use Only"?

References: MIL-STD-1330
TIP 18-0005

C R NA UA

- Repeat
- Significant
- PMS

30. (MK2530) Are the required MK-25 tools, test assemblies, and adapters on board?

References: NAVSEA SS600-A3-MMA-010 Rev 4
Marine Corps TM 09603B-14&P/1
Applicable PMS

C R NA UA

- Repeat
- Significant
- PMS

31. (MK2531) Is the lubricant (MIL-G-27617, Type III Greases for Oxygen Service) for MK-25 components of the approved type?

References: NAVSEA SS600-A3-MMA-010 Rev 4
Marine Corps TM 09603B-14&P/1
MIL-STD-1330

C R NA UA

- Repeat
 - Significant
 - PMS
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32. (MK2532) Are all oxygen (O2) clean parts and replacement parts properly cleaned, packaged, and marked?

References: NAVSEA SS600-A3-MMA-010 Rev 4
Marine Corps TM 09603B-14&P/1
MIL-STD-1330
Applicable PMS

C R NA UA

- Repeat
- Significant
- PMS

RAPID DEPLOYMENT OXYGEN TRANSFER PUMPS SYSTEMS

33. (MK2533) Are REC procedures followed and is the REC log maintained as required? If maintenance is contracted out, are work packages retained with PMS documentation?

References: Operation & Maintenance Manual
Applicable PMS

C R NA UA

- Repeat
- Significant
- PMS

34. (MK2534) Are the relief valves tested every 36 months? Are there tags in place with correct number, lifting pressure, date tested, and testing activity and are the results kept on file?

Reference: Applicable PMS

C R NA UA

- Repeat
- Significant
- PMS

35. (MK2535) Are the oxygen pressure gauges calibrated and results kept on file?

Reference: Applicable PMS

C R NA UA

- Repeat
 - Significant
 - PMS
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36. (MK2536) Are all Gas Transfer System (GTS) flexible charging hoses proof tested prior to initial installation? Are the rubber charging hoses replaced at 12 yrs.?

References: NAVSEA S6430-AE-TED-010
Applicable PMS

C R NA UA

- Repeat
- Significant
- PMS

37. (MK2537) Do all flexible charging hoses have a proper strain relief device attached?

Reference: U.S. Navy Diving Manual

C R NA UA

- Repeat
- Significant
- PMS

38. (MK2538) Are the operating and emergency procedures for the GTS available and in use?

Reference: Operation & Maintenance Manual

C R NA UA

- Repeat
- Significant
- PMS

SODASORB

39. (MK2539) Is a well-ventilated area available for filling Carbon Dioxide (CO₂) scrubber canisters with CO₂ absorbent

References: NAVSEA SS600-A3-MMA-010 Rev 4
OPNAVINST 5100.19F
OPNAVINST 5100.23H

C R NA UA

- Repeat
 - Significant
 - PMS
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40. (MK2540) Is the CO2 absorbent approved for use in the MK-25 UBA and is it within current shelf life?

References: NAVSEA SS600-A3-MMA-010 Rev 4
Marine Corps TM 09603B-14&P/1

C R NA UA
 Repeat
 Significant
 PMS

41. (MK2541) Is Personal Protective Equipment (PPE) available to personnel (gloves, filter mask, face shield) when filling the CO2 canisters with absorbent?

References: OPNAVINST 5100.19F
OPNAVINST 5100.23H

C R NA UA
 Repeat
 Significant
 PMS

GAUGES

42. (MK2542) Are critical gauges and torque wrenches calibrated (Magnehelic Bar Test Gauge, Oxygen Bottle Gauges and Inch/Foot lb Torque Wrenches) IAW local requirements and results kept on file?

References: COMUSFLTFORCOMINST 4790.3, Joint Fleet Maintenance Manual
Applicable PMS

C R NA UA
 Repeat
 Significant
 PMS

43. (MK2543) Is there a comparative accuracy log for the wrist depth gauges?

Reference: Applicable PMS

C R NA UA
 Repeat
 Significant
 PMS

44. (MK2544) Are dive computers calibrated as required?

Reference: Applicable PMS

C R NA UA

- Repeat
- Significant
- PMS

MAINTENANCE

45. (MK2545) Are all applicable ISEA notes available and addressed as required?

Reference: NAVSEA PMS 340 Website

C R NA UA

- Repeat
- Significant
- PMS

46. (MK2546) Is hygienic maintenance being performed on T-bit/pods and rebreather hoses? Are the solutions being used in accordance with the PMS card?

Reference: Applicable PMS

C R NA UA

- Repeat
- Significant
- PMS

47. (MK2547) Is any equipment that is out of commission, out of maintenance periodicity, or otherwise unsafe, tagged out to prevent use?

References: OPNAVINST 5100.23H
OPNAV M-5100.23
S 0400-AD-URM-010/TUM
OPNAVINST 3150.27D

C R NA UA

- Repeat
 - Significant
 - PMS
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48. (MK2548) Is a Preventive Maintenance System (PMS) program implemented for all diving and diving support equipment? If not, has a feedback report been submitted for all equipment not covered?

References: OPNAVINST 3120.32D
NAVSEAINST 4790.8D
U.S. Navy Diving Manual

C R NA UA

- Repeat
- Significant
- PMS

49. (MK2549) Is diving equipment serialized for tracking in SKED? Is the equipment appropriately listed in SKED on single line items?

Reference: NAVSEAINST 4790.8D

C R NA UA

- Repeat
- Significant
- PMS

50. (MK2550) Is maintenance correctly anchored for periodicity in SKED or tracked on a separate document (I.E. excel spread sheet, status board)?

Reference: NAVSEAINST 4790.8D

C R NA UA

- Repeat
 - Significant
 - PMS
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MK 25 MOD 2 UBA

COMMAND NAME:

LOCATION:

UIC:

DATE:

SURVEYOR(S):

NO. COMPLETE:

NO. REQ ACTION:

NOT APPLICABLE: