



Viper UBA Checklist

Updated Mar 2025

GENERAL/ADMINISTRATION

1. (VPR01) Are personnel qualified in the use, operation and maintenance of the Viper UBA?

References: VIPER VSW Maintenance Manual
VIPER VSW Operating Manual
OPNAVINST 3150.27D

C R NA UA

- ☐ Repeat
☐ Significant
☐ PMS

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2. (VPR02) Are the Viper UBA initial setup, pre-dive and post-dive checklists available? Are records maintained as required?

References: VIPER VSW Maintenance Manual
VIPER VSW Operating Manual
Applicable PMS

C R NA UA

- ☐ Repeat
☐ Significant
☐ PMS

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3. (VPR03) Are Re-Entry Control Sheets completed for entry into REC boundaries?

References: VIPER VSW Maintenance Manual
VIPER VSW Operating Manual

C R NA UA

- ☐ Repeat
☐ Significant
☐ PMS
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4. (VPR04) Is a Maintenance Record Package maintained for each Viper UBA and does it contain the following:

- a. NAVSEA Certification Letter
- b. Maintenance Log Sheets
- c. Copies of RECs and FARs
- d. Most recent Initial Setup, Pre-dive, Post Dive

References: VIPER VSW Maintenance Manual
VIPER VSW Operating Manual

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

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5. (VPR05) Are FAR forms for the Viper UBA, forwarded to PMS-EOD and EODTECHDIV?

Reference: PMS-EOD-22 MEMO, Dated 09 March 2004

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

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6. (VPR06) Is a REC Log of approved maintenance actions maintained for each Viper UBA?

Reference: PMS-EOD-22 MEMO, Dated 09 March 2004

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

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7. (VPR07) Are personnel qualified to work on Oxygen (O2) systems, and do they requalify every three years?

References: MIL -STD- 1330
NAVSEA OOC3-PI-007

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

HANDS-ON UBA

8. (VPR08) Is the In-Line Metering Valve calibrated to the proper flow rate?

References: Applicable PMS
VIPER VSW Maintenance Manual
VIPER VSW Operating Manual

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

9. (VPR09) Is the Viper UBA test equipment calibrated?

References: Applicable PMS
VIPER VSW Operating Manual

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

10. (VPR10) Is the Counter Lung relief valve set properly?

References: VIPER VSW Operating Manual
Applicable PMS

C R NA UA

- ☐ Repeat
 - ☐ Significant
 - ☐ PMS
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11. (VPR11) Is the primary regulator and the buoyancy compensator inflation cylinder regulator properly set?

References: VIPER VSW Maintenance Manual
VIPER VSW Operating Manual
Applicable PMS

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

12. (VPR12) Are only approved lubricants used (Christo-Lube mcg 111, Types I, II or III).?

References: VIPER VSW Maintenance Manual
VIPER VSW Operating Manual

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

13. (VPR13) Is the canister lid, foam spacers, canister body and scrubber basket free from dirt and deterioration?

References: VIPER VSW Maintenance Manual
VIPER VSW Operating Manual
Applicable PMS

C R NA UA

- ☐ Repeat
 - ☐ Significant
 - ☐ PMS
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14. (VPR14) Is the interior of the Viper and the pneumatic system free of dirt, corrosion, damage and deterioration?

References: VIPER VSW Maintenance Manual
VIPER VSW Operating Manual
Applicable PMS

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

15. (VPR15) Is the Viper buoyancy compensator fabric, pull cord, seams, tabs and stitching free of chafing, cuts, damage or deterioration?

References: VIPER VSW Operating Manual
Applicable PMS

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

16. (VPR16) Are the Nitrogen/Oxygen (N2O2) bottles hydrostatically tested and low MU certified and properly identified?

References: VIPER VSW Operating Manual
Applicable PMS

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

17. (VPR17) Are the buoyancy compensator inflation bottles hydrostatically tested?

References: VIPER VSW Operating Manual
Applicable PMS

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

18. (VPR18) Is the Viper UBA low MU certified? Are test results on file?

References: VIPER VSW Operating Manual
Applicable PMS

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

19. (VPR19) Is the proper mixed gas mixture used?

Reference: VIPER VSW Operating Manual

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

20. (VPR20) Are all intermediate pressure hose connections tight (hand tight only)?

References: VIPER VSW Maintenance Manual
VIPER VSW Operating Manual

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

21. (VPR21) Are there signs of cracking, tearing or general deterioration of mouthpiece, mask straps, nose clearing device or buckles on the MK-48 mask?

References: OM&M MK-48 SUPER MASK VSW DETACHMENT
Applicable PMS

C R NA UA

- ☐ Repeat
 - ☐ Significant
 - ☐ PMS
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SODASORB

22. (VPR22) Is the CO2 absorbent within its shelf life? If assembled and sealed in canister (14 days).

Reference: NAVSUP P-485
VIPER VSW Operating Manual

C R NA UA

- ☐ Repeat
 - ☐ Significant
 - ☐ PMS
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23. (VPR23) Is a well-ventilated area available for filling CO2 scrubber canisters with CO2 absorbent?

Reference: OPNAVINST 5100.19F

C R NA UA

- ☐ Repeat
 - ☐ Significant
 - ☐ PMS
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24. (VPR24) Is Personal Protective Equipment (PPE) available to personnel (gloves, filter mask, face shield) when filling the CO2 canisters with absorbent?

References: VIPER VSW Operating Manual
OPNAVINST 5100.19F

C R NA UA

- ☐ Repeat
 - ☐ Significant
 - ☐ PMS
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25. (VPR25) Are O2 Safe Area Procedures and Precautions posted and observed?

References: MIL-STD-1330

VIPER VSW Maintenance Manual

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

26. (VPR26) Is the O2 safe area clearly marked; "restricted - O2 safe area, no smoking, eating or drinking"?

References: MIL-STD-1330E

VIPER VSW Maintenance Manual

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

27. (VPR27) Are the Viper maintenance tools clean and designated for "O2 use only"?

References: VIPER VSW Operating Manual

NAVSEA OOC3-PI-007

MIL-STD-1330

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

OXYGEN TRANSFER PUMP

28. (VPR28) Are relief valves tested every 36 months? Are tags in place with correct number, lifting pressure, date tested and testing activity? Is there paperwork that includes lifting and reseating pressures?

Reference: Applicable PMS

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

29. (VPR29) Is the Oxygen Outlet Gauge calibrated per PMS?

Reference: Applicable PMS

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

30. (VPR30) Are flexible charging hoses proof tested prior to initial installation? Is there OQE available?
Are the hoses tagged?

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

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

31. (VPR31) Is all required maintenance conducted on the gas transfer pump and properly documented
in SKED?

Reference: Applicable PMS

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

32. (VPR32) Are Operating and Emergency Procedures (OPs/EPs) for the gas transfer pump system (GTS)
and oxygen transfer pump assembly (OTPA) available and in use?

Reference: NAVSEA SS600-A6-MMO-010

C R NA UA

- ☐ Repeat
 - ☐ Significant
 - ☐ PMS
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33. (VPR33) Do all flexible hoses have a proper strain relief device attached?

Reference: U.S. Navy Diving Manual

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

34. (VPR34) Are Re-Entry Control (REC) procedures followed and is the REC log available? If contracted out, are the work packages retained, and PMS documented?

Reference: NAVSEA SS521-AA-MAN-010

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

MAINTENANCE

35. (VPR35) Has all situational maintenance to include hygienic maintenance being performed on Viper Hoses, Mouthpiece and Counter-Lung Bags. Are the authorized solutions used per the PMS card?

Reference: Applicable PMS

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

36. (VPR36) 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
S0400-AD-URM-010/TUM
OPNAVINST 3150.27D

C R NA UA

- ☐ Repeat
 - ☐ Significant
 - ☐ PMS
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37. (VPR37) 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

38. (VPR38) 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

39. (VPR39) 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

40. (VPR40) Is the command tracking and in compliance with all active AIGs pertaining to the equipment in use?

Reference: NAVSEA 00C Guidance

C R NA UA

- ☐ Repeat
 - ☐ Significant
 - ☐ PMS
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VIPER UBA

COMMAND NAME:

LOCATION:

UIC:

DATE:

SURVEYOR(S):

NO. COMPLETE:

NO. REQ ACTION:

NOT APPLICABLE: