



Air Systems and Stowage Checklist

Updated Mar 2025

ADMINISTRATION

1. (AS01) Are all systems, components and support equipment that are out of commission, out of maintenance periodicity or otherwise unsafe for use tagged out or clearly marked 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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2. (AS02) Do the Operating Procedures and Emergency Procedures (OPs/EPs) reflect valve line-up and are they the most current approved revision per NAVSEA 00C diving publications?

References: NAVSEA SS521-AA-MAN-010
U.S. Navy Diving Manual
NAVSEA 00C Website

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

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3. (AS03) Are all system decals and label plates installed, intact and legible?

References: System Technical Manual
System Drawings

C R NA UA

- ☐ Repeat
 - ☐ Significant
 - ☐ PMS
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4. (AS04) Are all system components in good repair and working condition?

References: System Drawings

Operations and Maintenance Manual

Applicable PMS

C R NA UA

- ☐ Repeat
 - ☐ Significant
 - ☐ PMS
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5. (AS05) Are all system ports, hoses and other openings adequately protected from contamination?

References: MIL-STD-1622

MIL-STD-1330

Manufacturer's Tech Manual

System Drawings

C R NA UA

- ☐ Repeat
 - ☐ Significant
 - ☐ PMS
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6. (AS06) Is the system maintained in an As Built / As Certified condition?

References: NAVSEA SS521-AA-MAN-010

Manufacturer's Tech Manual

System Drawings

C R NA UA

- ☐ Repeat
 - ☐ Significant
 - ☐ PMS
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GAUGES & VALVES

7. (AS07) Have all critical pressure gauges been calibrated in the past 24 months, portable pressure gauges in the past 18 months?

Reference: Applicable PMS

C R NA UA

- ☐ Repeat
☐ Significant
☐ PMS
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8. (AS08) Are all gauges and valves labeled and numbered?

References: Manufacturer's Tech Manual
System Drawings
U.S. Navy Diving Manual

C R NA UA

- ☐ Repeat
☐ Significant
☐ PMS
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9. (AS09) Are all valves which influence diver's air supply tagged to read "Diver's Air Do Not Touch"?

Reference: U.S. Navy Diving Manual

C R NA UA

- ☐ Repeat
☐ Significant
☐ PMS
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10. (AS10) Are valve hand wheels and remote operators color coded and installed properly?

References: U.S. Navy Diving Manual
System Drawings
Common Maintenance Procedures

C R NA UA

- ☐ Repeat
☐ Significant
☐ PMS
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11. (AS11) Have all system relief valves been tested during the last 36 months and tagged? Is the supporting objective quality evidence (OQE) on file?

References: NAVSEA SS521-AA-MAN-010

Applicable PMS

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

12. (AS12) Has Diver's Life Support System (DLSS) periodic maintenance been accomplished on filters and filter housings?

Reference: Applicable PMS

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

13. (AS13) Is a hose log maintained with all required information?

References: NAVSEA TS500-AU-SPN-010

Applicable PMS

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

AIR SYSTEMS

14. (AS14) Do all system flex hoses have a tag installed with required information?

References: NAVSEA TS500-AU-SPN-010

Applicable PMS

C R NA UA

- ☐ Repeat
 - ☐ Significant
 - ☐ PMS
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15. (AS15) Are flex hoses outfitted with a properly configured strain relief as required?

References: Manufacturer's Tech Manual
System Drawings
NAVSEA TS500-AU-SPN-010

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

16. (AS16) Are strain reliefs attached to a structural member to prevent whipping in the event of hose failure?

References: NAVSEA TS500-AU-SPN-010
U.S. Navy Diving Manual

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

FLASKS & TANKS

17. (AS17) Have all volume tanks / receivers been visually inspected with supporting documentation?

References: TM-CHENG / O5-010-SCA
Applicable PMS

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

18. (AS18) Do flasks not permanently marked when certified have a tag affixed to the flasks with required information?

Reference: Applicable PMS

C R NA UA

- ☐ Repeat
 - ☐ Significant
 - ☐ PMS
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19. (AS19) Have all flasks (MILSPEC, ASME and DOT) been inspected, tested and tagged per NAVSEA procedures?

References: TM-CHENG / 05-010-SCA (ASME / MILSPEC)

Applicable PMS

C R NA UA

- ☐ Repeat
☐ Significant
☐ PMS

UMBILICAL

20. (AS20) Is a hose log maintained for diver's breathing gas hoses, pneumofathometer and hot water hoses and does it contain required information?

Reference: Applicable PMS

C R NA UA

- ☐ Repeat
☐ Significant
☐ PMS

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21. (AS21) Is the snap shackle of the approved type and properly married to the umbilical and all subsequent umbilical seizing installed properly?

Reference: NAVSEA SS521-AH-PRO-010 Umbilical Manual

C R NA UA

- ☐ Repeat
☐ Significant
☐ PMS

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22. (AS22) Are umbilical hoses (air, hot water, and pneumofathor) serialized, inspected, tested and tagged with the required information and reflected accurately in SKED? Is all Objective Quality Evidence (OQE) on file?

References: NAVSEA SS521-AH-PRO-010 Umbilical Manual

Applicable PMS

C R NA UA

- ☐ Repeat
☐ Significant
☐ PMS
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23. (AS23) Are all diving umbilical hoses capped off to prevent contamination (including leader hoses)?

Reference: Manufacturer's Tech Manual

C R NA UA

- ☐ Repeat
 - ☐ Significant
 - ☐ PMS
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24. (AS24) Is the umbilical assembled so that the strength member always carries the full strain of the umbilical?

Reference: NAVSEA SS521-AH-PRO-010 Umbilical Manual

C R NA UA

- ☐ Repeat
 - ☐ Significant
 - ☐ PMS
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25. (AS25) Is the breathing gas hose on the diver's end the correct length from the required index point?

References: NAVSEA SS521-AH-PRO-010 Umbilical Manual
Applicable PMS

C R NA UA

- ☐ Repeat
 - ☐ Significant
 - ☐ PMS
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26. (AS26) Are umbilical end fittings the approved type and have they been replaced within 3 years if required?

References: NAVSEA SS521-AH-PRO-010 Umbilical Manual
Applicable PMS

C R NA UA

- ☐ Repeat
 - ☐ Significant
 - ☐ PMS
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27. (AS27) Are bend protectors installed correctly on the diver end of the breathing gas hose?

Reference: NAVSEA SS521-AH-PRO-010 Umbilical Manual

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

MISCELLANEOUS EQUIPMENT AND GEAR

28. (AS28) Does the command / dive locker have a gas transfer pump or equivalent? Is it approved for use, covered by PMS and tracked in SKED?

References: NAVSEA 00C Authorized for Navy Use (ANU)

Manufacturer's Tech Manual

Applicable PMS

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

29. (AS29) Does the command / dive locker have portable air sampling equipment? Is it approved for use?

References: NAVSEA 00C Authorized for Navy Use (ANU)

Manufacturer's Tech Manual

Applicable PMS

C R NA UA

- ☐ Repeat
 - ☐ Significant
 - ☐ PMS
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30. (AS30) Is the Oxygen Regulator Console Assembly (ORCA) in good material condition? Is it covered by PMS and tracked in SKED?

Reference: Applicable PMS

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

MAINTENANCE

32. (AS33) Are torque wrenches calibrated per local requirements and documented?

References: COMUSFLTFORCOMINST 4790.3D
Applicable PMS

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

33. (AS34) 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

34. (AS35) 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
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35. (AS36) 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

36. (AS37) 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

37. (AD38) Has all situational maintenance been performed on Divers Life Support Systems?

Reference: NAVSEA 00C Guidance

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

AIR SYSTEMS AND STOWAGE

COMMAND NAME:

LOCATION:

UIC:

DATE:

SURVEYOR(S):

NO. COMPLETE:

NO. REQ ACTION:

NOT APPLICABLE: