



Underwater Cutting and Welding Checklist

Updated Mar 2025

OXYGEN-ARC CUTTING

1. (UCW01) Is an up-to-date copy of the Underwater Cutting and Welding Manual, NAVSEA S0300-BB-MAN-010 readily accessible?

References: NAVSEAINST 3150.1B

C R NA UA

- ☐ Repeat
☐ Significant
☐ PMS
-

2. (UCW02) Is the oxygen arc cutting torch the approved type?

Reference: NAVSEA S0300-BB-MAN-10 U/W Cutting and Welding Manual

C R NA UA

- ☐ Repeat
☐ Significant
☐ PMS
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3. (UCW03) Are all carrying parts of the electrode holder fully insulated with non-conducting material?

Reference: NAVSEA S0300-BB-MAN-10 U/W Cutting and Welding Manual

C R NA UA

- ☐ Repeat
☐ Significant
☐ PMS
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4. (UCW04) Is the oxygen regulator of the approved type? Is the required flashback arrestor installed?

Reference: NAVSEA S0300-BB-MAN-10 U/W Cutting and Welding Manual

C R NA UA

- ☐ Repeat
☐ Significant
☐ PMS
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5. (UCW05) Are the cutting rods of the approved type?

Reference: NAVSEA S0300-BB-MAN-10 U/W Cutting and Welding Manual

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

UNDERWATER WELDING

6. (UCW06) Is the welding machine of the approved type?

References: Applicable PMS

NAVSEA S0300-BB-MAN-10 U/W Cutting and Welding Manual

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

7. (UCW07) Is the welding machine frame and its supporting structure grounded?

Reference: NAVSEA S0300-BB-MAN-10 U/W Cutting and Welding Manual

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

8. (UCW08) Is the supplementary welding shield available for the diving helmet?

Reference: NAVSEA S0300-BB-MAN-10 U/W Cutting and Welding Manual

C R NA UA

- ☐ Repeat
 - ☐ Significant
 - ☐ PMS
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9. (UCW09) Is there an approved type of grounding clamp on the ground lead?

Reference: NAVSEA S0300-BB-MAN-10 U/W Cutting and Welding Manual

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

10. (UCW10) Are the power cables of the approved type?

Reference: NAVSEA S0300-BB-MAN-10 U/W Cutting and Welding Manual

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

11. (UCW11) Are the power cables in good condition?

References: NAVSEA S0300-BB-MAN-10 U/W Cutting and Welding Manual
Applicable PMS

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

12. (UCW12) Are the cable connectors of the approved type?

Reference: NAVSEA S0300-BB-MAN-10 U/W Cutting and Welding Manual

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

13. (UCW13) Are all connections tight and thoroughly insulated with tape?

Reference: NAVSEA S0300-BB-MAN-10 U/W Cutting and Welding Manual

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

14. (UCW14) Is the safety switch the approved type? If mounted is the safety switch in the correct position/orientation?

Reference: NAVSEA S0300-BB-MAN-10 U/W Cutting and Welding Manual

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

15. (UCW15) Is the electrode holder the approved type?

Reference: NAVSEA S0300-BB-MAN-10 U/W Cutting and Welding Manual

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

16. (UCW16) Is the electrode holder in good working order?

References: NAVSEA S0300-BB-MAN-10 U/W Cutting and Welding Manual
Applicable PMS

C R NA UA

- ☐ Repeat
- ☐ Significant
- ☐ PMS

17. (UCW17) Are the welding rods the approved type?

Reference: NAVSEA S0300-BB-MAN-10 U/W Cutting and Welding Manual

C R NA UA

- ☐ Repeat
 - ☐ Significant
 - ☐ PMS
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MAINTENANCE

18. (UCW18) 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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19. (UCW19) Is a Preventive Maintenance System (PMS) program implemented for all underwater cutting/welding equipment t? 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

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20. (UCW20) Is underwater cutting/welding 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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21. (UCW21) 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

22. (UCW22) 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

23. (UCW23) Has all situational maintenance been performed on the underwater cutting and welding equipment?

Reference: NAVSEAINST 4790.4D

C R NA UA

- ☐ Repeat
 - ☐ Significant
 - ☐ PMS
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UNDERWATER CUTTING/WELDING

COMMAND NAME:

LOCATION:

UIC:

DATE:

SURVEYOR(S):

NO. COMPLETE:

NO. REQ ACTION:

NOT APPLICABLE: