SUBMARINE
SUB DECK
(2WK)
Checklist

UPDATED May 2017
SAFETY REVIEW ITEMS - SUB DECK

A. SAFETY HARNESSES AND LANYARDS

1. (A2A0) Are all safety and work lanyards onboard authorized?
   Do all authorized lanyards have double locking snap hooks?
   Are all safety and working lanyards marked with a sharpie, upon initial issue with month/year?
   Are all safety and working lanyards listed on an EGL?
   Safety Lanyards with plastic covers over DYNA-Brake are not authorized.
   Working Lanyard is 4240-01-611-7538
   Safety Lanyard for submarines must be open purchased (MINE SAFETY APPLIANCE PART NUMBER 10119236). Requisitioning from Naval Supply System will not ensure receipt of correct lanyard.
   REF: AEL 2-330023056
    COMSUBBLANT/COMSUBPACINST 5400.49 Article 4313
    AEL 2-330023055
    AEL 2-330023057
    MIP 6231 / 001 S-7R

2. (A2A1) Are all safety harnesses onboard authorized?
   Are all safety harnesses marked with a Sharpie upon initial issue with month/year? (Sharpie must meet ASTM certification per MRC, if unapproved type is used it breaks down the fibers over time.)
   Are all safety harnesses listed on an EGL?
   Safety Harnesses can be ordered with NSN through Naval Supply System
   REF: AEL 2-330023057
    AEL 2-330023056
    COMSUBBLANT/COMSUBPACINST 5400.49 SORM Article 4313
    MIP 6231 / 001 S-7R
    AEL 2-330023100
### B. LIFE JACKETS

3. **(A2A2)** Are all traveler assembly (deck crawler) snap hooks working freely, closing securely under spring tensions, and free from cracks / corrosion / distortion?  
   REF:  
   - AEL 2-330023056
   - AEL 2-330023057
   - MIP 6111 / R06 A-1
   - AEL 2-330023055

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   - Repeat
   - Significant
   - PMS

4. **(A3D0)** Are all inherently buoyant life preserver covers in good condition (no tears, missing, or worn webbing) and reflective tape attached?  
   Do not add/replace reflective tape! NSTM requires new vest to be ordered.  
   REF:  
   - MIP 5832 / 030 R-1, A-1
   - NSTM 077 / Rev-7 Paragraph 077-2.5.5, Table 077-2-2, Figure

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   - Repeat
   - Significant
   - PMS

5. **(A3H0)** Are all Auto-Inflatable Utility Life Preservers (Mk-1 Commercial) in good repair? (No tears, no mildew, all hardware free of corrosion)
   Is the bladder damaged from the Conax inflator wearing through cover on a Mustang Mk-1 Commercial life vest?
   REF:  
   - DTG 191400Z Apr 10 Mk-1 Life Preserver Safety Advisory
   - MIP 5832 / SUB Q-2
   - MIP 5832 / SUB R-1
6. (A3I1) Is anti-sabotage compound installed on the auto-inflation actuator retainer nut per MRC?
Is retainer nut torque to 20-25 inch pounds?
Is Conax inflators over 7 year service life per NAVSEA?
REF: MIP 5832 / SUB R-1
MIP 5832 / SUB Q-2
AEL 2-330013101

7. (A3J1) Is MRC 5832/030 A-1 being performed on Stearns inherently buoyant life jackets?
Is the whistle attached with 22-26 inches of line tied with a bowline?
Is DML attached with 46-50 inches of line tied with bowline?
Is sea dye marker attached with 46-50 inches of line tied with bowline knot? (If, model has pocket)
REF: MIP 5832 / 030 A-1
MIP 5832 / 030 R-1
8. (A3K0) Is MRC 5832/SUB-XX Q-2 being performed on all MK 1 Commercial life jackets?

Has CONAX Inflator battery cap been changed from a Black to Gray top?

Is DML and sea dye marker attached with 46-50 of line tied with bowline?

Is whistle attached with 46-50 inches of line and tied with bowline knot?

Does inflator assembly have 3-5 tight twists of tin core conductor copper alloy shear wire?
   - If the wire is longer it may puncher bladder.

Is 24 gram CO2 cylinder installed?

Is date of manufacture month/year stamped on battery for DML?
   - If not, a sticker must be placed directly on battery per MRC.

Is reflective tape damaged?
   - Do not add/replace per NSTM, must order new cover.

REF: MIP 5832 / SUB U-4
    NSTM 077 / Rev-7 Paragraph 077-2.5.5 See Note
    MIP 5832 /SUB Q-2

C R NA UA PF
☐ Repeat
☐ Significant
☐ PMS

C. LIFE LINES

9. (A4A0) Are complete safety lines rigged topside?

REF: OPNAV 5100.19E Navy Safety and Occupational Health Program
    NSTM 613 / Rev-4 S9086-UU-STM-010 Wire and Fiber Rope and
    MIP 6121 / SUB R-1, R-2

C R NA UA PF
☐ Repeat
☐ Significant
☐ PMS

D. WEIGHT TEST
10. (A4B1) Does topside safety track have current weight test? (Required documentation available for verification) (2 year requirement)
   REF: 774 CL SUBMEPP Standard Test Procedure 61211-2-7387
       688 CL SUBMEPP Submarine Standard Test Procedure 111-5387
       21 CL SUBMEPP Standard Test Procedure 61111-2-201
       726 CL SUBMEPP Submarine Standard Maintenance 1510-081-002
       C R NA UA PF
       Repeat
       Significant
       PMS

11. (A4B2) Does the davit have current weight test? (Required documentation available for verification) (30 month requirement IAW PMR inventory) (NTE 48 months for 726 Class)
   REF: 21 CL SUBMEPP Standard Test Procedure 61121-3-201
       774 CL SUBMEPP Standard Test Procedure 61121-3-7147
       688 CL SUBMEPP Submarine Maintenance Standard 1510-081-006
       JOINT FLEET MAINTENANCE MANUAL VOL. 4 PARA. 13.2.4
       C R NA UA PF
       Repeat
       Significant
       PMS

E. HEAVING LINES

12. (A5A0) Are heaving lines the approved orange latex ball type?
    Are heavy lines at allowance?
    REF: AEL 2-260024031
    NSTM 582 / Rev-2 S9086-TW-STM-010 Mooring and Towing Parag
    C R NA UA PF
    Repeat
    Significant
    PMS

F. LIFE BUOY RINGS

13. (A8A0) Are life buoy rings available topside in-port, at access point?
    REF: NSTM 077 / Rev-7 Paragraph 077-2.6.2.3
    COMSUBLANT/COMSUBPACINST 5400.49 SORM Article 4313
    C R NA UA PF
    Repeat
    Significant
    PMS
14. (A8B0) Is 2 inch reflective tape attached at 90 degree spacing on both sides of life buoy rings?

REF: NSTM 077 / Rev-7 Figure 077-2-12
MIP 5832/034 A-2

15. (A8B1) Is ships name and hull number stenciled in distinguishable black block letters on the life buoy rings?

REF: NSTM 077 / Rev-7 Paragraph 077-2.6.2.1
MIP 5832/034 A-2

16. (A8B2) Is life ring cracked and/or cut preventing proper flotation?
Is life ring original shape?
Is life ring straps damaged or missing?

REF: MIP 5832/034 A-2

17. (A8C0) Are distress marker lights attached with four feet of 1/4" buoyant poly-line?

Is 2 inch reflective tape applied to marker near lens?

REF: MIP 5832 / 034 M-1
MIP 5832 / 034 M-2
NSTM 077 / Rev-7 Paragraph 077-2.6.2.2

G. FLOAT LINES
18. (A9A0) Are complete float lines rigged and manufactured IAW NAVSEA drawings?

Wrap the tie down strap around two strands of the floating line.

Feed it through the line twice.

REF: OPNAV 5100.19E Volume III D1002.b
AEL 2-330023039
NAVSEADWG 804-5000915 (688/637 Class)
NAVSEADWG 612-6408925 (21 Class)
NAVSEADWG 804-5000915 Revision A (726 Class)
COMSUBLANT/COMSUBPACINST 5400.49 SORM Article 4313
NAVSEADWG 6985177 (774 Class)

H. MAN OVERBOARD BAG

19. (B1A0) Is the man overboard bag stenciled in 2 inch letters "MAN OVERBOARD BAG"?

REF: AEL 2-330023061 SSN
AEL 2-330023011 SSBN
MIP 5832/021 Q-1

20. (B1B0) Is a swimmers belt provided?

REF: AEL 2-330023011 SSBN
AEL 2-330023061 SSN

21. (B1C0) Is the man overboard bag complete?

REF: AEL 2-330023011 SSBN
Ship System Manual (SSM) CP 62-14 (SSBN, SSGN, SSN 688)
Ship System Manual (SSM) CP 62-13 (SSN 21, SSN 774)
MIP 5832 / 021 Q-1
AEL 2-330023061 SSN

I. JACOBS LADDER
22. (C1A0)  Is a Jacobs ladder attached to the safety track or cleat in the vicinity of the access hatch when moored or anchored?  
Is Jacobs ladder damaged? 
REF: AEL 2-160014100 688/21  
MIP 6121/SUB R-5W  
OPNAVINST 5100.19E Volume III D1002.c  
COMSUBLANT/COMSUBPACINST 5400.49 SORM Article 4313  
NAVSEADWG 804-5000915  
AEL 2-160013003 774  
AEL 8-160014110 726

J. ESCAPE TRUNKS

23. (F1L0)  Is the Escape Trunk Diving knife authorized? 
REF: COMUSPLTFORCOMINST 4790.3 JFMM Volume IV, Chapter 18  
NSTM 594 / Rev-2 S9086-T9-STM-010 Submarine Escape and Res

K. HELO TRANSFER KIT

24. (I1A0)  Is the Helicopter Transfer Kit complete per MRC? 
REF: Ship System Manual (SSM) OP 61-20  
MIP 5882 / 021 A-1  
AEL 2-330023065

25. (I1C0)  Is Cranial Helmets reflective tape applied per MRC 5882/021 U-1? 
REF: MIP 5882 / 021 U-1
26. (I1D0) Is grounding wand the approved type, teeth damaged, and/or stored correctly?
   REF: AEL 2-330023065

   Ship System Manual (SSM) OP 61-20

   C R NA UA PF
   Repeat
   Significant
   PMS

L. SUBMARINE ESCAPE AND IMMERSION EQUIPMENT (SEIE)

27. (I2A1) Is an inventory log maintained for all SEIE escape suits and Valises per MRC?

   Each SEIE valise inventoried by serial number, date packaged/DOM, storage location, and storage date.

   Total SEIE valises stowed in each location with pertinent dates.

   Actual SEIE valises moved to aft stowage location(s) by serial number

   REF: MIP 5940 / 005 A-1

   C R NA UA PF
   Repeat
   Significant
   PMS

28. (I2A2) Have any Valsies exceeded their 10 year shelf life?

   REF: MIP 5940 / 005 A-1

   C R NA UA PF
   Repeat
   Significant
   PMS

29. (I2A4) Are the contents of the crash bag complete?

   Is the Guard Book printed on special synthetic paper that makes them waterproof and tear proof?

   Does the Guard Book have required changes entered?

   Are the Crash Bags at required locations per MRC?

   REF: MIP 5940 / 005 A-3

   AEL 2-330023072

   C R NA UA PF
   Repeat
   Significant
   PMS
30. (I2A6) Is MIP 5940/002 Q-1 for Analox SUB MkIIP Monitor being performed?

   Does battery condition indicate 168 or greater after 1 minute?
   (Max service life of 12 months before required factory service)

   REF: DTG 021923 Nov 10 Analox SUB MKII Calibration
   MIP 5940 / 002 Q-1

   C R NA UA PF
   Repeat
   Significant
   PMS

M. SUBMARINE ESCAPE AND IMMERSION EQUIPMENT (SEIE)

31. (I2A7) Under toxic gas management section of Guard book - Is crew able to monitor 7 different gases at least daily during a 7-day DISSUB period in 3 different locations in the compartment?
   - (Carbon Monoxide (CO)
   - Hydrogen Chloride (HCl)*
   - Hydrogen Acid (HCN)
   - Sulfur Dioxide (SO2)*
   - Chlorine (Cl2)*
   - Nitrogen Dioxide (NO2)*
   - Ammonia (NH3)
   (3 boxes of each of type of Draeger tube in each compartment)

   Note: The storage temperature requirement for Draeger tubes is 5-25 C (41-77 F), stamped right on each pack. The ambient temperature in the Engine Room may be too hot for storage.

   REF: S9594-AP-SAR-C10 SSBN-SSGN Guard Book Mid LET
   S9594-AP-SAR-E10 21-22 Guard Book Fwd
   S9594-AP-SAR-A10 688 Guard Book Aft
   S9594-AP-SAR-J10 23 Guard Book Fwd
   S9594-AP-SAR-G10 774 Guard Book Fwd
   S9594-AP-SAR-F10 21-22-23 Guard Book Aft
   S9594-AP-SAR-D10 SSBN-SSGN Guard Book Aft LET
   S9594-AP-SAR-010 688 Guard Book Fwd
   S9594-AP-SAR-B10 SSBN-SSGN Guard Book Fwd LET
   S9594-AP-SAR-H10 774 Guard Book Aft
   MIP 5940/002 A-1

   C R NA UA PF
   Repeat
   Significant
   PMS

N. MOORING LINES
32. (D1B0) Do all onboard stored synthetic (NON-ARAMID) Mooring lines have a strain gauge (TATTLE-TALE)?

REF: MIP 5821 / 774 R-3
   NSTM 613 / Rev-4 Section 613-2.13.3.1
   OPNAVINST 5100.19E Volume III D0303
   MIP 5821 / 726 R-3
   MIP 5821 / 688 R-3
   MIP 5821 / 021 R-3

P. STORAGE HATCHES

33. (E2B0) Are topside storage hatches in good condition?
   (No broken or damaged hinges, latches or loose gasket material)

REF: MIP 50-591 / 901 R-1
## SUB DECK

**COMMAND NAME:**

**LOCATION:**

**UIC:**

**DATE:**

**SURVEYOR(S):**

**NO. COMPLETE:**

**NO. REQ ACTION:**

**NOT APPLICABLE:**

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