SAFETY REVIEW ITEMS - Electrical

01. Electrical Safety Admin

1. (A1C0) DOES THE COMMANDING OFFICER AUTHORIZE ANY DISASSEMBLY OR MAINTENANCE ON ENERGIZED EQUIPMENT?

   REF: NSTM 300 -2.4.3.1.g
   NSTM 300 -2.5.4.3.3
   OPNAVINST 5100.19 Series B0702a
   OPNAVINST 5100.19 Series B0705a
   NSTM 300 -2.4.1.1.e
   EDORM 3303 A.4.A
   NSTM 300 -2.4.1.2.c

   C R NA UA
   □ Repeat
   □ Significant
   □ PMS

2. (A1D0) IS SHIP COMPLYING WITH ALL SAFETY PROCEDURES REQUIRED FOR WORKING ON ENERGIZED EQUIPMENT?

   REF: NSTM 300 -2.3
   NSTM 300 -2.4

   C R NA UA
   □ Repeat
   □ Significant
   □ PMS

3. (A1E0) DOES THE ELECTRICAL SAFETY OFFICER ENSURE ELECTRICAL/ELECTRONIC INDOCTRINATION TRAINING IS PROVIDED UPON REPORTING AND ANNUALLY THEREAFTER FOR ALL PERSONNEL?

   REF: NSTM 300 -2.9.5.a
   OPNAVINST 5100.19 Series B0702b
   OPNAVINST 5100.19 Series B0708a
   OPNAVINST 3120.32 Series 305.9B(1) and (2)

   C R NA UA
   □ Repeat
   □ Significant
   □ PMS

4. (A1F0) HAVE TOOL ISSUE PERSONNEL COMPLETED PQS ELECTRICAL TOOL ISSUE ROOM WATCHSTATION 313 IN THE ENGINEERING COLLATERALS AND QUALIFICATIONS PQS NAVEDTRA 43704? (PREVIOUSLY WATCHSTATION 302 IN SAFETY PROGRAMS Afloat)

   REF: OPNAVINST 5100.19 Series B0708c
   NAVEDTRA 43704

   C R NA UA
   □ Repeat
   □ Significant
   □ PMS
5. (A1G0) DOES THE SHIP HAVE A CERTIFIED AMERICAN RED CROSS/AMERICAN HEART ASSOCIATION CPR INSTRUCTOR ONBOARD?
   REF: NSTM 300 -2.9.5.b
   OPNAVINST 5100.19 Series B0708b

6. (A1G1) ARE AT LEAST 50 PERCENT OF ALL ELECTRICAL/ELECTRONICS ASSOCIATED RATINGS CERTIFIED IN BASIC LIFE SUPPORT AT A MINIMUM OF EVERY TWO YEARS?
   REF: NSTM 300 -2.9.5.c
   OPNAVINST 5100.19 Series B0708b

7. (A1HO) HAS THE ELECTRICAL SAFETY OFFICER COMPLETED WATCHSTATION 304 OF THE SAFETY PROGRAMS AFLOAT PQS (NAVEDTRA 43460-4A) WITHIN 16 WEEKS OF ASSIGNMENT?
   REF: OPNAVINST 5100.19 Series B0708d

8. (A1I0) DOES THE SHIP HAVE A CENTRALIZED PORTABLE TOOL ISSUE ROOM? ARE UNSAFE ELECTRIC TOOLS MARKED OOC AND KEPT IN LOCKED STORAGE SEPARATE FROM OTHER TOOLS?
   REF: OPNAVINST 5100.19 Series B0707a
   OPNAVINST 5100.19 Series B0707f

9. (A1J0) DOES THE SHIP HAVE MOST CURRENT SAFETY ADVISORIES?
   REF: SAFETY ADVISORY Waste Disposal -ADVISORY 05-14
   SAFETY ADVISORY Electrical Safety PMS - ADVISORY 04-14
   SAFETY ADVISORY Elec_IET MEGOHMMETERS_ADV 2-15

02. Hazardous Materials
10. (A2A0) ARE ALL HAZARDOUS MATERIALS CONTAINERS AND STORAGE LOCATIONS IN THE WORK CENTER PROPERLY MARKED OR LABELED?
REF: OPNAVINST 5100.19 Series B0302a12f
OPNAVINST 5100.19 Series C2302d & e
OPNAVINST 5100.28 Series

11. (A2B0) ARE SHOP PERSONNEL FAMILIAR WITH THE HAZARDS, PRECAUTIONS AND PROTECTIVE EQUIPMENT REQUIRED FOR HAZARDOUS MATERIALS HANDLED IN THE WORK CENTER AND THE ASSOCIATED MSDS?
REF: OPNAVINST 5100.19 Series B0302a12 a&b

03. Hearing Conservation

12. (A3A0) ARE NOISE HAZARD AREAS AND EQUIPMENT PROPERLY LABELED OR POSTED?
REF: OPNAVINST 5100.19 Series B0404c1

13. (A3B0) IS HEARING PROTECTION AVAILABLE, USED AND ISSUED AS NECESSARY WITH ELECTRICAL PORTABLE TOOLS?
REF: OPNAVINST 5100.19 Series B0707c
OPNAVINST 5100.19 Series C0903a5
NSTM 300 -2.7.1.1.c
14. (A4A0) Are authorized eye wash stations available in an unobstructed location in Battery Shop/Locker that require no more than 10 seconds or 100 feet of travel to reach from hazard?

REF: OPNAVINST 5100.19 Series B0508a4
GSO 644 D
NSTM 313 2.5.5.6

15. (A4A1) Is eye protection provided with portable tools when particles may fly in eyes?

REF: OPNAVINST 5100.19 Series B0707c
OPNAVINST 5100.19 Series C0903a4
NSTM 300 -2.7.1.1.b

05. Operating/Safety Instructions

16. (A5A0) Are equipment operating instructions and safety precautions posted for equipment in electrical spaces?

REF: NSTM 300 -2.3.1.1.a
NSTM 300 -2.4.2.c
NSTM 300 -2.5.1.3.2.e
NSTM 300 -2.5.2.a/b
OPNAVINST 5100.19 Series C1304f

06. Tag-out Program

17. (A7A0) Does ship have the most current revision of the tag-out user’s manual? (Revision 6/ Revision 7)

REF: NAVSEA TECHNICAL PUBLICATION S0400-AD-URM-010/TUM
OPNAVINST 3120.32 Series 630.17A
18. (A7A1) DO ALL NEWLY REPORTED PERSONNEL RECEIVE TRAINING ON THE TAG-OUT PROGRAM? ARE TAG-OUT USER MANUAL TRAINING TOPICS INCLUDED IN THE COMMANDS CONTINUED TRAINING PROGRAM?

REF: TAG-OUT USER’S MANUAL
OPNAVINST 3120.32 Series 630.17F

19. (A7A2) ARE SECTIONS OF THE TAG-OUT LOG IN ORDER AND ARE TUM PROCEDURES CORRECTLY FOLLOWED?

REF: TAG-OUT USER’S MANUAL (TUM) 1.5.1.e
TAG-OUT USER’S MANUAL (TUM) Appendix I 5.2
OPNAVINST 3120.32 Series 630.17F
TAG-OUT USER’S MANUAL (TUM) 1.5
TAG-OUT USER’S MANUAL (TUM) 1.6

20. (A7A3) IF MAINTENANCE OR REPAIR OF EQUIPMENT IS IN PROGRESS, IS EQUIPMENT PROPERLY TAGGED OUT?

REF: NSTM 300 -G.5.3
TAG-OUT USER’S MANUAL APPENDIX F & G
OPNAVINST 5100.19 Series C1302a9

21. (A7A4) DOES THE SHIP (NON CARRIERS) MAINTAIN AN EMERGENCY DIVE BILL TO INCLUDE PRE-PREPARED TAG OUT RECORD SHEETS AND DANGER TAGS?

REF: COMNAVSURFORINST 3300.1B

07. Cables and Cableways
22. (A8A0) ARE DEAD-END CABLES PROPERLY IDENTIFIED AND ISOLATED?
   REF: NSTM 300 -4.6.9
   NAVSEAINST 9304.1C (4F)
   DOD-STD-2003 SECT 1 (FIG 1A10, 1A12)
   DOD-STD-2003 SECT 4 (4.1.8, 5.7.4)
   C R NA UA
   □ Repeat
   □ Significant
   □ PMS

23. (A8B0) ARE CABLES PROPERLY SUPPORTED WITH CABLE HANGERS/BANDING STRAP? ARE STUFFING TUBES USED ON CABLE PENETRATIONS?
   REF: NSTM 300 -4.2.3.1.2
   DOD-STD-2003 SECT 1, 3 AND 4
   GSO 304 E
   NSTM 300 -4.6.10.1/.2
   C R NA UA
   □ Repeat
   □ Significant
   □ PMS

24. (A8C0) DO SHOCK-MOUNTED MOTORS AND OTHER PIECES OF SHOCK-MOUNTED ELECTRICAL EQUIPMENT HAVE REQUIRED GROUNDING STRAPS?
   REF: NSTM 300 -4.3.3.F
   GSO 235 J
   MIL-STD-1310
   NAVSEA DRAWING 803-5001027
   PMS MIP 3000/001 24M-1
   C R NA UA
   □ Repeat
   □ Significant
   □ PMS

08. Test Equipment

25. (A9A0) ARE SHORTING PROBES MODIFIED AND MAINTAINED IAW PMS MIP 3000?
   REF: PMS MIP 3000/001 S-6R
   PMS MIP 3000/100 S-6R
   C R NA UA
   □ Repeat
   □ Significant
   □ PMS

09. Heaters
26. (AAA0) ARE APPROVED QUARTERDECK PORTABLE ELECTRICAL HEATERS BEING USED?
REF: NAVSURWCEN LETTER 9213/176 11 SEP 03.

27. (B1A0) ARE OPERATING INSTRUCTIONS AND SAFETY PRECAUTIONS POSTED IN THE VICINITY OF THE SWITCHBOARD?
REF: DANGER HIGH VOLTAGE SIGNS-0118-LF 114-3600
SAFETY PRECAUTIONS ELECTRICAL-0118-LF-019-6100
WARNING FOR RESCUING SHOCK VICTIMS 0118-LF-020-2700

28. (B1B0) HAVE REQUIRED 100 AMP CIRCUIT BREAKER FUSE UNITS BEEN MODIFIED WITH REQUIRED PLASTIC COVERS?
REF: NAVSURFWARCEH SHPSYSENGSTA, PHILADELPHIA, PA MESSAGE 2118002NOV02.

29. (B1D0) ARE SWITCHBOARD, CONTROLLER, ABT/ MBT, BREAKER/ FUSE PANEL ENCLOSURES IN GOOD MATERIAL CONDITION INCLUDING ALL NECESSARY HARDWARE?
REF: PMS MIP 3240/002 24M-2
PMS MIP 3240/002 24M-3
NSTM 300 -4.8.1
NSTM 300 -4.8.2
PMS MIP 3240/002 18M-2
PMS MIP 3301/002 18M-1
PMS MIP 3301/002 36M-1
PMS MIP 3001/002 U-2
PMS MIP 3240/002 18M-4
30. (B1E0) ARE INSTALLED METERS OPERATIVE AND CALIBRATED?
REF: NSTM 300 -4.8.1.h
NSTM 491 -3.4
PMS MIP 9802/001
PMS MIP 9802/002
PMS MIP 9802/003
PMS MIP 9802/004
PMS MIP 9802/005

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

31. (B1F0) ARE CIRCUITS FREE OF GROUNDS?
REF: NSTM 300 -2.3.1.1.c
NSTM 300 -3.2.5/.6/.7
NSTM 320 -1.6.9.3, -1.2.1.1

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

32. (B1G0) ARE WOODEN GRAB RAILS PROPERLY INSTALLED?
REF: NSTM 320 -2.2.6.2
GSO 622 E

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

33. (B1I0) IS THE SWITCHGEAR FREE OF ANY OPENINGS WHERE BREAKERS OR OTHER DEVICES HAVE BEEN REMOVED?
REF: NSTM 300 -2.5.4.1.c/f/h
NSTM 300 -2.5.4.2.e
GSO 324 C

C R NA UA
☐ Repeat
☐ Significant
☐ PMS
34. (B1J0) Are lighting, emergency lighting and hand lanterns in the vicinity of the switchgear adequate?

REF: GSO 332 E
    GSO 332 G
    NSTM 330 -1.6.4.3.3.1

35. (B1K0) Are ventilation ducts directed away from the switchgear?

REF: NSTM 300 -4.4.2.2.4
    NSTM 320 -2.2.6.4 (L)
    NSTM 300 -4.8.1.1

36. (B1L0) Is rubber matting of the proper material, stenciled, free of moisture underneath and correctly installed around switchboards IAW references?

REF: NSTM 634 -3.8.1
    GSO 634C
    NSTM 320 -2.2.6.2
    NSTM 300 -4.8.1.1

11. Shore Power

37. (C1A0) Do shore power cables appear to be safe and well protected? Are pigtail connections raised and insulated from the deck?

REF: NSTM 320 -2.2.7.2 (5)(6)
    PMS MIP 3211/001 R-1
    BOSS SPRU

38. (C2A0) Are the shore power receptacles provided with a receptacle control switch to open associated breaker whenever the receptacle cover is opened or the plug removed and is each receptacle provided with a functioning pilot light?

REF: NSTM 320 -2.2.7.2
PMS MIP 3211/001 R-1
GSO 320 D

39. (C3A0) Is shore power being rigged and unrigged correctly including correct tag-outs?

REF: EOSS SPRU
NSTM 320 -2.2.7.2
TAG-OUT USER’S MANUAL (TUM)

12. Casualty Power

40. (D1A0) Are casualty power cables and terminals in satisfactory condition?

REF: NSTM 320 -1.2.8.2
NSTM 320 -3.4
NSTM 079 (V3) 079-47.4.2
NSTM 079 (V3) FIG 079-47-2, FIG 079-47-1
PMS MIP 3201/002
PMS MIP 3212/002 18M-1

41. (D1A1) Are casualty power terminals properly labeled with warning signs posted on normally hot terminals?

REF: NSTM 320 -1.2.8.2
NSTM 079 (V3) -47.4.2.3.5
GSO 320 G
PMS MIP 3201/002
PMS MIP 3212/002 18M-1
42. (D2A1) ARE RISER AND BULKHEAD TERMINALS COVERED WHEN NOT IN USE?
REF: NSTM 079 (V3) 47.4..2.3.4 and .6
GSO 320 G
PMS MIP 3201/002
PMS MIP 3212/002 18M-1

13. Controllers, ABTS, Fuse and Power Panels

43. (E1A0) ARE MEGGER TEST HOLES PLUGGED ON POWER PANELS, SWITCHBOARDS AND THE POWER SUPPLY CIRCUIT BREAKERS OF MANUAL BUS TRANSFERS?
REF: GENADMIN NAVSEA 230319ZNOV98 / 150124Z DEC 98
NSN 5340-01-081-1718

44. (E1B0) DO CONTROLLERS WITH ELECTRICAL COMPONENTS RATED AT 30 VOLTS AC/DC OR GREATER MOUNTED ON THE CONTROLLER DOOR HAVE GROUNDING STRAP CONNECTED BETWEEN THE DOOR AND THE MAIN BODY OF THE CONTROLLER?
REF: PMS MIP 3001/002 U-2
NSTM 300 -2.2.1.2
MIL-E-2036 D (3.1.8.1.4), P
PMS MIP 3001/002 18M-1
PMS MIP 3001/002 S-1

45. (E1C0) IS ELECTRICAL EQUIPMENT MOUNTED ON NON-STRUCTURAL BULKHEADS PROPERLY GROUNDED TO SHIP'S HULL?
REF: PMS MIP 3000/001 A-5
46. (F1A0) ARE FUSE PANELS CLEAN, DRY, FREE OF DEBRIS AND FREE OF EXCESSIVE CORROSION?

   REF: NSTM 300 -2.6.4
   NSTM 300 -4.4.5.f
   NSTM 300 -4.8.1
   NSTM 320 -3.2.1
   PMS MIP 3202/009 24M-4
   PMS MIP 3301/002 18M-1
   PMS MIP 3240/002 24M-3
   PMS MIP 3311/002 24M-2
   COMNAVSEASYSCOM WASH DC MSG 101451ZDEC09

   C   R   NA   UA
   Repeat
   Significant
   PMS

47. (F1A1) ARE POWER PANELS CLEAN, DRY, FREE OF DEBRIS AND FREE OF EXCESSIVE CORROSION?

   REF: NSTM 300 -2.6.4
   NSTM 074 -4.4.5.f
   COMNAVSEASYSCOM WASH DC MSG 101451ZDEC09
   PMS MIP 3202/008 24M-1
   NSTM 320 -3.2.1
   NSTM 300 -4.8.1

   C   R   NA   UA
   Repeat
   Significant
   PMS

48. (F1A2) ARE ABTs AND MBTs CLEAN, DRY, FREE OF DEBRIS AND FREE OF EXCESSIVE CORROSION?

   REF: NSTM 300 -2.6.4
   NSTM 300 -4.4.5.f
   NSTM 320 -3.2.1
   NSTM 300 -4.8.1
   PMS MIP 3202/047 18M-2, 18M-7, 24M-7
   COMNAVSEASYSCOM WASH DC MSG 101451ZDEC09
   PMS MIP 3241/051 18M-2R, 18M-4, 24M-4
   PMS MIP 3202/009 A-6, 18M-2, 18M-3, 24M-2
   PMS MIP 3202/001 18M-2, 36M-1
   PMS MIP 3240/002 18M-2, 18M-4, 24M-2

   C   R   NA   UA
   Repeat
   Significant
   PMS
49. (F1A3) ARE CONTROLLERS CLEAN, DRY, FREE OF DEBRIS AND FREE OF EXCESSIVE CORROSION?

REF: NSTM 300 -2.6.4
    NSTM 300 -4.4.5.f
    PMS MIP 3301/002 36M-1
    COMNAVSEASYSCOM WASH DC MSG 101451ZDEC09
    PMS MIP 3001/002 S-1, 18M-1
    NSTM 300 -4.8.1
    NSTM 320 -3.2.1

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

50. (F1D0) ARE INDICATOR LIGHTS OPERATIVE AND OF CORRECT COLOR?

REF: NSTM 320 -2.2.9
    GSO 305 G

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

51. (F1G0) ARE FUSE BOXES PROPERLY LABELED? (INCLUDING THE CIRCUIT CONTROLLED, THE PHASES OR POLARITIES AND THE FUSE AMPERE RATINGs)

REF: GSO 305 E
    PMS MIP 3301/002 18M-1
    PMS MIP 3240/002 24M-3
    PMS MIP 3311/002 24M-2

C R NA UA
☐ Repeat
☐ Significant
☐ PMS
52. (F1H0)  IS THERE EVIDENCE OF IMPROPERLY RIGGED, NICKEL-PLATED FUSES, UNDERFUSING, COTS FUSES OR OVERFUSED ELECTRICAL CIRCUITS?

REF: MIL-PRF-15160G 6.1.5.1
NSTM 300 -2.5.3.1.b/c
NSTM 300 -2.5.3.2.b/c
NSTM 300 -2.5.3.1
NSTM 320 -1.7.4
GSO 303H
PMS MIP 3301/002 18M-1
PMS MIP 3240/002 24M-3
PMS MIP 3311/002 24M-2

53. (F1I0)  DO DISTRIBUTION PANELS HAVE CIRCUIT INFORMATION PLATES ADJACENT TO THE HANDLE OF EACH CIRCUIT BREAKER WITH INFORMATION IN THE FOLLOWING ORDER: CIRCUIT NUMBER, NAME AND LOCATION OF EQUIPMENT?

REF: GSO 305 E
PMS MIP 3301/002 18M-1
PMS MIP 3240/002 24M-3
PMS MIP 3311/002 24M-2

54. (F1L0)  ARE ELECTRICAL PANEL, CONTROLLER AND JUNCTION BOX COVERS CLOSED?

REF: NSTM 300 -2.3.1.2.e(5)
NSTM 300 -2.3.1.2b
NSTM 302 -3.3.2
OPNAVINST 5100.19 Series C0903 H
55. (F1M0) ARE CLEARANCES PROVIDED IN THE IMMEDIATE VICINITY OF ELECTRICAL EQUIPMENT AND MACHINERY TO PERMIT COMPLETE ACCESSIBILITY FOR OPERATION, MAINTENANCE, REPAIRS, RENEWAL OF FUSES AND TESTING?

REF: GSO 300 D
GSO 070 H

56. (F1N0) ARE SHIELDS INSTALLED AS NECESSARY TO PROTECT ELECTRIC EQUIPMENT AND MACHINERY FROM JETS OR SPRAY RESULTING FROM THE NORMAL OPERATION OF, OR DAMAGE TO, PUMPS, PIPES, TUBES, COUPLINGS, VALVES OR FITTINGS IN WATER, STEAM OR OIL PIPING SYSTEMS?

REF: NSTM 300 -4.4.2.1
NSTM 300 -4.4.5.b/k
NSTM 300 -4.4.2.1
NSTM 300 -4.4.5.b/k
NSTM 300 -4.8.1.1
GSO 300 D

14. Batteries

57. (G1B0) ARE BATTERIES PROPERLY SECURED IN THEIR RACKS?

REF: DOD-STD-2003-2 4.3.1
GSO 313 F

58. (G1C0) ARE OPERATING INSTRUCTIONS AND SAFETY PRECAUTIONS POSTED?

(SAFETY PRECAUTIONS ELECTRICAL- 0118-LF-019-6100, SAFETY PRECAUTIONS STORAGE BATTERIES- 0118-LF-114-3900 AND NO SMOKING BATTERY ON CHARGE- 0118-LF-113-3600)

REF: GSO 602H
NSTM 313 -2.10
OPNAVINST 5100.19 Series C0904
59. (G1D0) IS THE BATTERY SHOP EXHAUST VENTILATION INTERLOCKED WITH THE POWER SUPPLY TO BATTERY CHARGER?

REF:  GSO 313 F

PMS MIP 3131/005 S-2
NSTM 510 -6.1.11
OPNAVINST 5100.19 Series C0904A

60. (G1G0) ARE DELUGE SHOWER, EYE-FACE BATH AND DRAIN INSTALLED IN BATTERY LOCKER AND BATTERY SHOP?

REF:  GSO 644 D

NSTM 313 -2.5.5.6
NSTM 670 -1.6
OPNAVINST 5100.19 Series B0508d

61. (G1H0) ARE THERE TWO BATTERY WATER CONTAINERS AND ONE SODA WATER CONTAINER PROVIDED IN BATTERY ROOM AND CHARGING SHOP? (CONTAINERS SHALL BE 5-GAL POLYETHYLENE BOTTLES NSN 8125-00-888-7069)

REF:  GSO 313 F

NSTM 313 -2.5.5.6

62. (G1I0) ARE RUBBER APRON, RUBBER BOOTS, CHEMICAL RUBBER GLOVES AND FULL FACE SHIELD PRESENT?

REF:  OPNAVINST 5100.19 SERIES C0904n3

NSTM 313 -2.5.5.4
63. (G1J0) IS THERE A 15-LB CO2 FIRE EXTINGUISHER LOCATED WITHIN 30 FT OF THE CHARGING STATION?
REF: NSTM 555 -4.2.1
         GSO 555 B1

64. (G1K0) ARE ACID STOWAGE LOCKERS LARGE ENOUGH TO STORE THE TOTAL QUANTITY OF ACIDS WITH TIGHT FITTING LIDS OR DOORS AND LINED WITH LEAD OR ACID RESISTANT SYNTHETIC RUBBER, TYPE II, WITH ADEQUATE SIZE SPILL TRAY?
REF: NSTM 220
         NSTM 670 -13.3
         PMS MIP 6600/002 S-2
         OPNAVINST 5100.19 Series C2302e4
         GSO 671 C

15. Lighting

65. (H1B0) DO WEATHERDECK LIGHTING FIXTURES APPEAR TO BE WATERTIGHT AND FREE FROM WATER INTRUSION?
REF: NSTM 300 -4.4.5

66. (H1C0) IS CORRECT LIGHTING BEING USED FOR BROW ILLUMINATION?
REF: NSTM 330 -1.9.2.4
         GSO 332 G
         NAVSAFECEN ADVISORY 03-95
67. (H1D0) ARE DRESS SHIP LIGHTS OF THE PROPER TYPE?
REF: DOD-HDBK-289 (SH) APPENDIX B SECTION I SHEET 1
NSTM 330 -1.9.2.16

68. (H1E0) ARE FLOURESCENT AND INCANDESCENT LIGHT FIXTURES PROPERLY SHIELDED?
REF: DOD-HDBK-289 6.6
NSTM 330 -3.5.1
NSTM 330 -2.2.13
GSO 332 B

69. (H1G0) ARE RELAY OPERATED HAND LANTERNS PROPERLY INSTALLED WHERE REQUIRED? (I.E., ESCAPE ROUTES, VITAL EQUIPMENT, FLUSH DECK SCUTTLES, BRIDGE AREA, LAUNDRY, PANTRY, GALLEY, INSIDE AND OVER DOOR OF WALK-IN REEFER, WORKSHOPS AND OVER SAFES CONTAINING CLASSIFIED MATERIAL)
REF: NSTM 330 -1.6.4.3.4
GSO 332 G

70. (H1H0) ARE ALL RELAY OPERATED BATTLE LANTERNS MOUNTED UPRIGHT?
REF: NSTM 330 -1.6.4.3.3.3

71. (H1I0) HAVE PLASTIC STARTERS BEEN REPLACED WITH METAL STARTERS IN ALL FLUORESCENT LIGHT FIXTURES?
REF: NAVSURFWARCEN SHIPSYSENGSTA PHIL PA MSG 161433Z AUG07
NAVSURFWARCEN SHIPSYSENGSTA PHIL PA MSG 161734Z SEP10
72. (H1J0) ARE WEATHER DECK RECEPTACLES MAINTAINED IAW PMS?

REF: PMS MIP 3000/001 18M-1

16. Workbenches

73. (I1A0) ARE ALL ELECTRICAL WORKBENCHES INSULATED AND GROUNDED?

REF: NSTM 300 APPENDIX H.1.3
PMS MIP 6652/006 A-1
MIL-STD-1310
NSTM 300 APPENDIX H.1.2
GSO 665 F
GSO 400 C
GSO 070 H

74. (I1B0) IF WORKBENCH HAS BEEN DOWGRADED, HAS IT BEEN DONE PROPERLY WITH APPLICABLE SIGN POSTED?

REF: NSTM 300 APPENDIX H.6
NSTM 300 APPENDIX H.5.B

75. (I1D0) IS THE TOP WORKING SURFACE OF THE BENCH INSULATED WITH 3/8" ARBORON OR BENELEX 401? (NSN 5970-01-030-2607)

REF: PMS MIP 6652/006 A-1
NSTM 300 APPENDIX H.1.3.1
NSTM 300 -H-2
GSO 665 F
76. (I1E0) ARE WORKBENCH VERTICAL SURFACES COVERED WITH 1/8" PLASTIC LAMINATE? NSN 5970-00-912-1908
   REF: PMS MIP 6652/006 A-1
   NSTM 300 APPENDIX H.1.3.2, FIG 300-H-3
   GSO 665 F

77. (I1F0) ARE ALL ATTACHED HARDWARE INSULATED?
   REF: PMS MIP 6652/006 A-1
   NSTM 300 APPENDIX H.1.3.5
   GSO 665 F

78. (I1G0) IS THERE A DISCONNECT SWITCH MOUNTED 48 TO 54 INCHES ABOVE THE DECK AND WITHIN A RED-PAINTED TARGET OFFSET FROM THE ELECTRICAL WORKBENCH (NOT OVER THE BENCH) TO SECURE THE POWER TO THE 115 VOLT RECEPTACLES LOCATED ON, OVER OR NEAR THE BENCH INCLUDING THE TEST PANEL?
   REF: PMS MIP 6652/006 A-1
   NSTM 300 APPENDIX H.4
   GSO 320 C

79. (I1H0) IS THERE A PLACARD POSTED ABOVE THE ELECTRICAL WORKBENCH: "THIS IS AN ELECTRICALLY SAFE WORKBENCH?" IS A PLACARD POSTED NEAR THE EMERGENCY DISCONNECT SWITCH "FOR EMERGENCY USE ONLY?"
   REF: NSTM 300 APPENDIX H.5.A,E
   GSO 665 F
80. (I1I0) ARE ALL SAFETY PRECAUTION SIGNS INCLUDING: ARTIFICIAL RESPIRATION INSTRUCTIONS AND INSTRUCTIONS WHICH GIVE AN APPROVED METHOD OF RESCUING PERSONNEL IN CONTACT WITH ENERGIZED CIRCUITS POSTED IN THE VICINITY OF THE BENCH?
REF: NSTM 300 APPENDIX H.5.C
GSO 665 F

17. Electrical Tools

81. (J1A0) IS THERE A ONE-TIME/INITIAL INSPECTION BEING CONDUCTED AND EQUIPMENT TAGGED ON ALL PERSONAL ELECTRICAL EQUIPMENT PRIOR TO INTRODUCTION ONBOARD?
REF: NSTM 300 -2.7.4.7.2.1.c
NSTM 300 -2.7.6
NSTM 300 -2.7.3.4
NSTM 300 -2.7.3.6.1/2/4

82. (J1B0) ARE EXPLOSIVE-PROOF TYPE PORTABLE EXTENSION LIGHTS BEING USED VICE OPEN TYPE?
REF: NSTM 330 -1.9.2.23
NSTM 330 -1.9.2.24

83. (J1C0) IS PORTABLE AND MOBILE ELECTRIC EQUIPMENT BEING SAFETY CHECKED IAW CURRENT DIRECTIVES?
REF: NSTM 300 -2.7.4.7.2.1.a/b/c
NSTM 300 -2.7.4.7.3
PMS MIP 3000/001 R-6
PMS MIP 3000/001 Q-1R
OPNAVINST 5100.19 Series B0702e2 and e3
PMS MIP 3000/001 Q-2R
PMS MIP 3000/001 R-5
84. (J1D0) ARE ALL SURGE PROTECTORS AUTHORIZED FOR USE ONBOARD SHIP AND CHECKED IAW PMS?
REF: OPNAVINST 5100.19 Series C0903r
NSTM 300 -2.7.3.5.d
PMS MIP 3000/001 A-4R

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85. (J1E0) ARE ALL PERSONAL PROTECTIVE EQUIPMENT IN THE TOOL ISSUE PROPERLY MAINTAINED INCLUDING: RUBBER GLOVES PROPERLY PMS’ED AND PLACED IN ORIGINAL BOX/PROTECTED FROM DAMAGE DURING STORAGE? ARE LEATHER OVER-GLOVES AVAILABLE TO PROTECT RUBBER GLOVES FROM DAMAGE DURING USE.
REF: PMS MIP 3000/001 R-1, R-3
OPNAVINST 5100.19 Series C0903a3
OPNAVINST 5100.19 Series B0706b
OPNAVINST 5100.19 Series B1203c8 and c9

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86. (J1F0) IS THE ELECTRICAL REPAIR KIT IN THE REPAIR LOCKER (S) OR DAMAGE CONTROL UNIT (DCU), DAMAGE CONTROL UNIT PATROL STATION (DCUPS) AND RESCUE AND ASSISTANCE RE-ENTRY LOCKER (REL) BEING MAINTAINED?
REF: AEL 2-880044243
AEL 2-880044244

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87. (J1G0) ARE REPAIR LOCKER RUBBER GLOVES BEING PROPERLY MAINTAINED?
REF: PMS MIP 6641/006 R-12
88. (J1H0) DOES TOOL ISSUE ROOM HAVE HIGH VOLTAGE SAFETY EQUIPMENT?
REF: NSTM 300 300-I-2
NSTM 300 300-2-1a
NSTM 300 300-2-1b
NSTM 300 300-2-2
NSTM 300 300-2-3

18. Galley

89. (K1B0) IS THE CIRCUIT BREAKER SUPPLYING POWER TO EACH DEEP FAT FRYER PROVIDED WITH A SHUNT-TRIP COIL?
REF: GSO 320 E
PMS MIP 6539/001

90. (K1C0) IS OFF/ON SWITCH GUARD FOR MEAT SLICING MACHINE SET UP TO PREVENT INADVERTENT STARTING?
REF: OPNAVINST 5100.19 Series C1905a5
OPNAVINST 5100.19 Series C1905f5

91. (K1D0) IS "DANGER SHOCK HAZARD" SIGN POSTED ON ALL GALLEY ELECTRICAL EQUIPMENT? (WHERE VOLTAGES ARE BETWEEN 30 VOLTS AND 500 VOLTS)?
REF: GSO 070 H

92. (K1E0) ARE GALLEY ELECTRICAL EQUIPMENT OPERATING INSTRUCTIONS AND SAFETY PRECAUTIONS PROPERLY POSTED AND ARE PERSONNEL FAMILIAR WITH THEIR CONTENTS?
REF: GSO 602 H
OPNAVINST 5100.19 Series C1902d
93. (K1F0) IS GALLEY GARBAGE GRINDER IN SAFE OPERATING CONDITION WITH SAFETY CLEANOUT INTERLOCK AND INDICATING LIGHTS FUNCTIONING PROPERLY?

**REF:** UL 430

SAFETY ADVISORY Waste Disposal - ADVISORY 05-14

PMS MIP 6517/004 A-2

OPNAVINST 5100.19 Series C1902o

94. (K1J0) ARE THE GREASE INTERCEPTOR HOOD EXHAUST DAMPER THERMOSTATIC SWITCHES TESTED IAW PMS?

**REF:** PMS MIP 9802/002 U-30

PMS MIP 5121/004 U-22

PMS MIP 9802/002 U-7

19. Underway Operation

95. (L1A0) IS ORM APPLIED NOT ONLY TO OPERATIONAL MISSIONS, BUT AT THE DECK PLATE LEVEL FOR DAY TO DAY WORK UNIT OPERATIONS AS WELL?

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