AFLOAT
Combat Systems
(3OP)
Checklist

UPDATED April 2016
SAFETY REVIEW ITEMS - Combat Systems

01. Procedures and Training

1. (A1C0) **DO TAG-OUT PROCEDURES COMPLY WITH CURRENT DIRECTIVES?**
   - **REF:** TAG-OUT USERS MANUAL (TUMS) VER 7
   - C R NA UA
   - □ Repeat
   - □ Significant
   - □ PMS

2. (A1D0) **DOES THE WORKING ALOFT PROCEDURE MEET MINIMUM STANDARD CRITERIA?**
   - **REF:** OPNAVINST 5100.19 Series VOL II CH C0804
   - OPNAVINST 5100.19 Series VOL II PG 2 ITEM 5(2)
   - OPNAVINST 5100.23 Series Working aloft check sheet
   - C R NA UA
   - □ Repeat
   - □ Significant
   - □ PMS

3. (A1D1) **ARE SUPERVISORY PERSONNEL FAMILIAR WITH CURRENT DIRECTIVES FOR FALL PROTECTION EQUIPMENT AND PROCEDURES?**
   - **ARE ALL HARNESS, SAFETY LANYARDS AND WORKING LANYARDS AUTHORIZED FOR SHIPBOARD USE?**
   - **REF:** NAVSURFWARCENDIV PANAMA CITY FL
   - **DTG:** 161233Z DEC 11
   - C R NA UA
   - □ Repeat
   - □ Significant
   - □ PMS

4. (A1E0) **IS A COPY OF THE LATEST RADHAZ SURVEY ON BOARD?**
   - **REF:** NAVSEAINST 9700.2 Series PARA G(2)
   - NAVSEA OP3565 Vol 1
   - C R NA UA
   - □ Repeat
   - □ Significant
   - □ PMS

5. (A1F0) **ARE TECHNICIANS FAMILIAR WITH THE PROPER SAFETY PRECAUTIONS FOR WORKING ON ENERGIZED EQUIPMENT?**
   - **REF:** NSTM 300 -2.3;-2.4
   - OPNAVINST 5100.19 Series CH C0908
   - C R NA UA
   - □ Repeat
   - □ Significant
   - □ PMS
### 02. Signs and Placards

6. (A1G0) ARE PERSONNEL FAMILIAR WITH THE HAZARDS OF LITHIUM BATTERIES?
   (A) PROPER STOWAGE AND HANDLING?
   (B) PERSONNEL HAZARD AWARENESS?
   (C) WITHIN CURRENT SHELF LIFE?
   REF: TECHNICAL MANUAL S9310-AQ-SAF-010
   OPNAVINST 5100.19 Series CH C0905

<table>
<thead>
<tr>
<th>C</th>
<th>R</th>
<th>NA</th>
<th>UA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Signs and Placards

7. (A2A0) ARE THE FOLLOWING SIGNS, PLACARDS, AND INSTRUCTIONS POSTED IN ALL SPACES CONTAINING ELECTRONIC EQUIPMENT?
   (A) ELECTRICAL AND ELECTRONIC SAFETY SAFETY PRECAUTIONS
   (B) EQUIPMENT OPERATING INSTRUCTIONS.
   (C) DANGER HIGH VOLTAGE SIGNS
   © CFR RESUSCITATION PROCEDURES
   REF: GSO 070 H
   NSTM 300 -4.8.1,-4.8.2, -4.8.3, -4.8.5, -4.9.5
   NSTM 400 -3.2.2

<table>
<thead>
<tr>
<th>C</th>
<th>R</th>
<th>NA</th>
<th>UA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8. (A2B0) ARE APPROPRIATE WARNING SIGNS POSTED ON;
   - LADDERS
   - MASTS
   - STACKS
   - KINGPOSTS
   - ANTENNA PLATFORMS AND OTHER R-F RADIATION HAZARD AREAS?
   REF: MOST RECENT RADHAZ SURVEY
   OP 3565 VOL 1 PG 2-4-2-6
   OP 3565 VOL 1 PG 3-3-7

<table>
<thead>
<tr>
<th>C</th>
<th>R</th>
<th>NA</th>
<th>UA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

9. (A2C0) ARE EQUIPMENETS FED BY MORE THAN ONE ELECTRICAL SOURCE IDENTIFIED WITH MULTIPLE POWER SOURCE WARNING LABELS?
   REF: NSTM 079 -21.4.4
   GSO 400 C

<table>
<thead>
<tr>
<th>C</th>
<th>R</th>
<th>NA</th>
<th>UA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 03. General Safety Checks
10. (A3A1) ARE ALL EMERGENCY ESCAPE SCUTTLES PROPERLY LIT AND MARKED WITH A STENCIL OR PLACARD "DO NOT BLOCK OR OBSTRUCT"?
REF: NSTM 079 -21.7.5
GSO 602 (J)

11. (A3B0) IS RUBBER MATTING AVAILABLE OR INSTALLED ADJACENT TO ELECTRONIC WORKBENCHES, EQUIPMENT AND SWITCHBOARDS?
ARE INSTALLATION STANDARDS IAW CURRENT DIRECTIVES?
ARE AREAS WHERE PORTABLE MATTING IS USED APPROPRIATELY OUTLINED AND STENCILED "WARNING ELECTRICAL GRADE MAT REQUIRED WITHIN MARKED LINE"?
REF: NSTM 300 -4.8.1.1, -H.1.3
NSTM 634 -3.12.2
NSTM 634 -3.12.2.2

12. (A3C0) IS SLIP-RESISTANT DECK COVERING INSTALLED ON ANTENNA PLATFORMS AND WORKING AREAS ALOFT?
REF: NSTM 634 -3.22
NSTM 634 -3.24.3

13. (A3E0) ARE LADDERS, HANDRAILS AND OTHER SIMILAR STRUCTURES PROPERLY GROUNDED?
REF: SHIP'S TOPSIDE EM CONTROL MEASURES DRAWING
MIL-STD 1310 3.30
MIL-STD 1310 4-1.1.2.3
MIL-STD 1310 5.2.4(A)
14. (A3F0) ARE CLIMBER SAFETY RAILS INSTALLED IAW DIRECTIVES?
DOES THE MATERIAL CONDITION REFLECT PROPER PMS ACCOMPLISHMENT
(PAINT, RUST, CORROSION REMOVED; ALL BOLTS TIGHTENED)?

REF: NSTM 600 -18.2
GSO 622 C
NSTM 400 -3.20.4
NAVSHIPS DWG 804-4563125 REV C 81
PMS MIP 6231/002 S-6

C  R  NA  UA
Repeat
Significant
PMS

15. (A3G0) ARE SAFETY HARNESS'S, WORKING LANYARDS, SAFETY LANYARDS AND
CLIMBER SAFETY SLEEVES IN SATISFACTORY MATERIAL CONDITION FOR
THE FOLLOWING DEPARTMENTS?
(A) COMBAT SYSTEMS
(B) DECK
(C) AIR
(D) AIMD

REF: OPNAVINST 5100.19 Series CH 0802A
PMS MIP 6231/002 S-2R
PMS MIP 6231/002 S-1R
PMS MIP 6231/001 S-1R

C  R  NA  UA
Repeat
Significant
PMS

16. (A3H0) IS GENERAL, ROUTINE HOUSEKEEPING ADEQUATE TO PRECLUDE
HAZARDOUS CLUTTER, OBSTRUCTIONS AND SLIPPERY DECK CONDITIONS?

REF: OPNAVINST 5100.19 Series C0102.D.6

C  R  NA  UA
Repeat
Significant
PMS

17. (A3J0) IS PORTABLE ELECTRIC EQUIPMENT INSULATED AND SAFETY CHECKED
IAW CURRENT DIRECTIVES?

REF: PMS MIP 3000/001
NSTM 300 -2.7.4.7.2, -2.7.4.7.3
OPNAVINST 5100.19 Series B0707

C  R  NA  UA
Repeat
Significant
PMS
18. (A3K0) Are all chemicals stored in approved flammable or corrosive lockers (less than 30 gal)? Are seven day supplies of flammable PMS materials stored in an approved flammable stowage locker?

REF: NSTM 220
OPNAVINST 5100.19 Series B3
OPNAVINST 5100.19 Series C2302.2.B
NSTM 670 -2.1.3.2, -13.3

19. (A300) Are all hazardous materials properly labeled to include:
   (A) material name and manufacturer name.
   (B) are all MSDS's readily available and personnel familiar immediate hazards of material.

REF:
NSTM 670 -44.1

20. (A3Q0) Are fixed nitrogen gas cylinders properly stowed and shock mounted? Are cylinders marked with 2 two-inch wide horizontal black stripes to indicate oil-free nitrogen?

REF:
OPNAVINST 5100.19 Series C1102.D.1
NSTM 670 -32.3
MILSTD 101-B TABLE III
MILSTD 101-B FIG 2

21. (A3S0) Is emergency destruction equipment (fireaxes, sledge hammers, and mauls) secured to prevent horizontal or vertical movement (grade B shock mount)?

REF:
MIL-S-901D -1.2.2
GSO 072 B
22. (A3S1) ARE EEBDS LOCATED TO BE EASILY ACCESSIBLE IN AN EMERGENCY? ARE EEBDS MOUNTED CORRECTLY? ARE EEBDS PROPERLY STENCILED WITH PHOTOLUMINESCENT PAINT OR PHOTOLUMINESCENT STRIPS?

REF: NSTM 079 -21.7

23. (A3T0) ARE RELAY CONTROLLED EMERGENCY LANTERNS INSTALLED TO ILLUMINATE CLASSIFIED MATERIAL STOWAGE CONTAINERS?

REF: GSO 332 G

NSTM 330 -1.6.4.3.3

24. (A3U0) IS ACCESS TO POWER PANELS RESTRICTED BY INSTALLATION OF EQUIPMENT/FURNITURE OR BY STOWAGE OF MATERIALS? ARE POWER PANEL DOORS REMOVED FROM DISTRIBUTION PANELS LOCATED IN NORMALLY MANNED SPACES?

REF: NSTM 300 -2.3.1.2

GSO 324 C
GSO 324 D

25. (A3V0) ARE TOPSIDE LIFERAIL ACCESSES FITTED WITH 5/8 INCH POLYESTER OR DOUBLE-BRAIDED NYLON LINE (EXCEPT IN HEAT OR BLAST AREAS WHERE CRES WIRE ROPE SHALL BE USED) AND WITH 5/16 INCH ANCHOR SHACKLES ON ONE END AND 4 INCH STEEL CRES HOOK ON THE OTHER END?

REF: NSTM 600 -18.3

GSO 612 D
26. (A3X0) ARE 15 LB CO2 PORTABLE FIRE EXTINGUISHERS MOUNTED IN SPACES CONTAINING ELECTRONICS EQUIPMENT INCLUDING PILOT HOUSE, COMM CTR AND CIC? ARE FIRE EXTINGUISHERS FULLY CHARGED, PROPERLY MAINTAINED, AND ACCESSIBLE? 
REF: NSTM 555 PMS MIP 6641/004 Q-9R, 24M-4 GSO 555 B

27. (A3Y0) IS AN ADEQUATE LIFERAIL SYSTEM PROVIDED ON ALL WORK PLATFORMS ALOFT? ARE NONMETALLIC LIFERAILS INSTALLED IN EMI SUSCEPTIBLE AREAS? ARE LIFERAILS INSTALLED AND MAINTAINED IAW CURRENT DIRECTIVES? DO THEY REFLECT ADEQUATE PMS? 
REF: GSO 612 B GSO 612 D PMS MIP 6121/003

04. Electronic Equipment

28. (B1A0) ARE APPROVED SAFETY SHORTING PROBES IAW PMS AND PROVIDED IN ALL SPACES CONTAINING MAJOR ELECTRONIC EQUIPMENT? 
REF: PMS MIP 3000/001 S-6R NSTM 400 -3.20.3

29. (B1B0) ARE ELECTRONIC WORKBENCHES IN COMPLIANCE WITH EXISTING SAFETY REQUIREMENTS FOR INSULATION, EQUIP GROUNDING LEADS, WARNING SIGNS, AND POWER DISCONNECTS? 
REF: PMS MIP 6652/006 NSTM 300 APP H
30. (B1D0) DOES ALL PORTABLE ELECTRONIC TEST EQUIPMENT HAVE AN UP-TO-DATE SAFETY TAG?
   REF: PMS MIP 4911/001 18M-1R
   NSTM 300 -2.7

31. (B1E0) IS ADEQUATE TEST EQUIPMENT STOWAGE PROVIDED WITH A MEANS OF SECURING EQUIPMENT UNDER ADVERSE SEA CONDITIONS?
   REF: NSTM 400 J
   NAVSEA ST000-AB-6YD-010/PEEET

32. (B1F0) IS ELECTRONIC EQUIPMENT LOCATED, OR PROTECTED, SO THAT FLUIDS WILL NOT SPRAY, DRIP, SPLASH, OR BE BLOWN INTO THEM?
   REF: NSTM 300 -4.4.2, -4.4.5, -4.8.1

33. (B1I0) ARE ALL PROTECTIVE ENCLOSURES KEPT CLOSED WHEN WORK IS NOT IN PROGRESS? DOES WORK IN PROGRESS REFLECT SAFE WORK HABITS?
   REF: NSTM 300 -2.3.1.2, -2.5.1.2, -2.5.3.2, -4.8.1
   OPNAVINST 5100.19 Series C9

34. (B1J0) ARE EQUIPMENT SHOCK MOUNTS PROPERLY INSTALLED AND IAW CURRENT DIRECTIVES?
   REF: MIL-S-901D -1.2.3
   GSO 072 D
### 35. (B1K0)
Are all electronic equipment, equipment enclosures, cabling, and accessories electrically bonded to the ship's ground system?

**Ref:** NSTM 300 2.2.1.2, 2.8.7, 2.8.14, H.1.2.d
- MIL-STD-1310 .4.1.3
- MIL-STD-1310 .5.1.2
- MIL-STD-1310 .5.1.3

<table>
<thead>
<tr>
<th>C</th>
<th>R</th>
<th>NA</th>
<th>UA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Repeat</td>
<td>Significant</td>
<td>PMS</td>
<td></td>
</tr>
</tbody>
</table>

### 36. (B1P0)
Are computer surge suppressors of the type approved for shipboard use? Does ADP equipment reflect electrical safety PMS? Do safety tags reflect proper PMS?

**Ref:** NSTM 300 2.7.3.5
- PMS MIP 3000/001 A-4R

<table>
<thead>
<tr>
<th>C</th>
<th>R</th>
<th>NA</th>
<th>UA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Repeat</td>
<td>Significant</td>
<td>PMS</td>
<td></td>
</tr>
</tbody>
</table>

### 37. (B1U0)
Does electronic equipment connected directly to the ship's elec power distribution system have an independent means to disconnect the equipment from the power distribution system? Is this electronic disconnect located in the same space or compartment?

**Ref:** GSO 320 E

<table>
<thead>
<tr>
<th>C</th>
<th>R</th>
<th>NA</th>
<th>UA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Repeat</td>
<td>Significant</td>
<td>PMS</td>
<td></td>
</tr>
</tbody>
</table>

### 05. Antennas

### 38. (B2A0)
Are switches installed that permit disabling each antenna prior to personnel entering the antenna swing circle? Are warning signs posted in the immediate vicinity of each switch?

**Ref:** GSO 400 C

<table>
<thead>
<tr>
<th>C</th>
<th>R</th>
<th>NA</th>
<th>UA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Repeat</td>
<td>Significant</td>
<td>PMS</td>
<td></td>
</tr>
</tbody>
</table>
39. (B2B0) ARE TRANSMITTING ANTENNAS FOR COMMUNICATIONS, ACTIVE EW AND FIRE CONTROL RADAR DIRECTORS CUTOUT ZONES MARKED WITH APPROPRIATE WARNING SIGNS? DO HF ANTENNAS WITH LESS THAN 8-FOOT VERTICAL AND/OR 4-FOOT HORIZONTAL CLEARANCES HAVE SAFETY SCREENS OR PERSONNEL ACCESS BARRIERS INSTALLED?
REF: OP-3565 2.2.6.1
GSO 400 C

06. Helo Control Station

40. (B3E0) IS SHIPS STABILIZED GLIDE SLOPE INDICATOR (SGSI) IAW PMS WITH DIAPHRAM INTACT, ALL FRESNEL LENSES OF THE PROPER COLOR, LOCATION SAFETY WIRED IN PLACE AND ALL POWER/CONTROL CABLES PROPERLY WEATHER PROOFED?
REF: PMS MIP 4926/GSI

07. Equipment Cooling Systems

41. (B4D0) DOES THE COOLANT PUMP AND SUPPLIED EQUIPMENT SHOW EVIDENCE OF ROUTINE PMS ACCOMPLISHMENT? (I. E. TEMP AND PRESSURE GAUGES IN CALIBRATION, ABSENCE OF LEAKS, NO BROKEN OR MISSING EQUIPMENT, INTACT PRESERVATION SYSTEM WITH NO SIGNS OF RUST OR CORROSION, ETC)
REF: PMS MIP 5321
PMS MIP 5362
NSTM 505 -1.4.2
MSTM 532 -4.3

42. (B4E0) DO COOLANT PUMP ROOMS HAVE THE CORRECT OPERATING INSTRUCTIONS, WARNING PRECAUTIONS AND SYSTEM PIPING DIAGRAMS PERMANENTLY BULKHEAD MOUNTED?
REF: OPNAVINST 5100.19 Series C1304.F.1
43. (B4G0) IS THE COOLANT SYSTEM PROPERLY OUTFITTED/EQUIPPED WITH SIGHT FLOW METERS, DEMINERALIZER, 2 OR 3 WAY TEMPERATURE-REGULATING VALVES, SALINITY INDICATOR AND LOSS OF FLOW ALARMS?

REF: NSTM 532
PMS MIP 5321
PMS MIP 5362

44. (B4H0) ARE ALL VALVE HANDWHEELS PROPERLY COLOR-CODED?

REF: NSTM-505 -7.8.2.2, Table 7-1

45. (B4I0) HAVE SALTWATER DUPLEX STRAINERS BRASS OR BRONZE DRAIN PLUGS BEEN REPLACED WITH NON-FERROUS MONEL (CU-NI OR NI-CU) AS REQUIRED? ARE VALVE AND PIPING FLANGES IN SEAWATER SYSTEMS FREE OF FERROUS FASTENERS?

REF: NSTM 505
GSO 075

08. Active/Passive Sonar Systems

46. (B5C0) ARE ALL SONAR DOME PIPING SYSTEM (SDPS) VALVES, REDUCERS, GAUGES AND SUPPLY, VENT RETURN AND DRAIN LINES PROPERLY IDENTIFIED WITH DIE STAMPED OR ENGRAVED PERMANENTLY MOUNTED I.D. TAGS?

REF: GSO 507 F

47. (B5D0) HAVE ALL SDPS AIR, FRESH WATER AND SEAWATER PRESSURE RELIEF VALVES BEEN TESTED? DO THE TEST DATA TAGS SHOW WHEN, WHERE AND AT WHAT PRESSURE TESTING WAS CONDUCTED?

REF: GSO 505 H.4
48. (B5E0) ARE ALL SDPS AIR, FRESHWATER, AND SEAWATER FILL AND PRESSURIZATION CONTROL VALVES PROPERLY COLOR CODED? (AIRSIDE-TAN; FRESHWATER-DARK BLUE; SEAWATER-DARK GREEN)

REF: NSTM 505 -7.8.2.2
NSTM 505 Table -7-1

49. (B5F0) ARE ALL SDPS OPERATING INSTRUCTIONS AND PIPING DIAGRAMS PERMANENTLY MOUNTED WITHIN THE IMMEDIATE VICINITY OF THE SDPS? (CLEARLY LEGIBLE AND WITHIN EASY OPERATOR ACCESS)

REF: GSO 507 C

50. (B5G0) DOES THE SDPS OVERALL GENERAL APPEARANCE INDICATE THAT ROUTINE PMS IS BEING ACCOMPLISHED BY EITHER SHIPBOARD PQS QUALIFIED OR FORMALLY TRAINED PERSONNEL?

REF: PMS MIP 1651/005

51. (B5I0) DO ALL LOWER LEVEL SONAR EQUIPMENT SPACES SUBJECT TO DIRECT OR PROGRESSIVE FLOODING HAVE LIQUID LEVEL (FD ALARM SYSTEM) SENSOR SWITCHES INSTALLED? ARE THE SENSORS FREE OF PAINT AND DEBRIS?

REF: GSO 436 D

52. (B5M0) DOES THE SHIP HAVE THE REQUIRED NUMBER OF DOME DIVERS IAW PMS?

REF: PMS MIP 1651/005 18M-1 NOTE 10 (DESTROYER)
NAVMED P-117 ART 15-102.5.A
PMS MIP 1651/006 18M-4 NOTE 9 (CRUISER)
53. (B500) ARE DOME DIVING LOGS MAINTAINED AND REPORTS SUBMITTED?

REF: NAVSEA S-9165-AD-MMA-010
NAVSEA S-9165-AH-MMA-010
PMS MIP 1651/005 (Destroyer) 18M-1 (Step 1.c.5/Table 1)
PMS MIP 1651/006 (Cruiser) 18M-4 (Step 1.c.5/Table 1)

54. (B5P0) ARE WARNING SIGNS INSTALLED ON AIR FILTER A-F-114 AND IN THE AIRLOCK?

REF: TECHNICAL MANUAL S9165-AE-MMA-010/SDRW-1 FIGURE 8-46 SHEET 12 OF 13

55. (B5Q0) ARE COMBAT SYSTEMS RUBBER AND STAINLESS STEEL HOSES ACCESSIBLE FOR PMS ACCOMPLISHMENT?

REF: PMS MIP 5000/009 A-1, A-2, S-1
NAVSEA S6430-AE-TED-010 VOL 1

09. NIXIE/TACTAS

56. (B6A0) IS THE NIXIE EQUIPMENT ROOM EQUIPPED WITH:
(A) ELECTRICALLY SAFE MATTING
(B) MAT WARNING (IF MATTING IS NOT BONDED TO DECK)
(B) SHORTING PROBE
(C) MULTIPLE POWER SOURCE LABEL
(D) OPERATING AND STREAMING PROCEDURES

REF: NSTM 634-3.12.2
GSO 602 H
GSO 400 C
## Combat Systems

**COMMAND NAME:**

**LOCATION:**

**UIC:**

**DATE:**

**SURVEYOR(S):**

**NO. COMPLETE:**  
**NO. REQ ACTION:**  
**NOT APPLICABLE:**

<table>
<thead>
<tr>
<th>Q #</th>
<th>Question</th>
<th>Result</th>
<th>Sig</th>
<th>Rep</th>
<th>PMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3OPA1C0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>2</td>
<td>3OPA1D0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>3</td>
<td>3OPA1D1</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>4</td>
<td>3OPA1E0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>5</td>
<td>3OPA1F0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>6</td>
<td>3OPA1G0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>7</td>
<td>3OPA2A0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>8</td>
<td>3OPA2B0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>9</td>
<td>3OPA2C0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>10</td>
<td>3OPA3A1</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>11</td>
<td>3OPA3B0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>12</td>
<td>3OPA3C0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>13</td>
<td>3OPA3E0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>14</td>
<td>3OPA3F0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>15</td>
<td>3OPA3G0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>16</td>
<td>3OPA3H0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>17</td>
<td>3OPA3J0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>18</td>
<td>3OPA3K0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>19</td>
<td>3OPA3Q0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>20</td>
<td>3OPA3Q0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>21</td>
<td>3OPA3S0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>22</td>
<td>3OPA3S1</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>23</td>
<td>3OPA3T0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>24</td>
<td>3OPA3U0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>25</td>
<td>3OPA3V0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>26</td>
<td>3OPA3X0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>27</td>
<td>3OPA3Y0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>28</td>
<td>3OPB1A0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>29</td>
<td>3OPB1B0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>30</td>
<td>3OPB1D0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>31</td>
<td>3OPB1E0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>32</td>
<td>3OPB1F0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>33</td>
<td>3OPB1I0</td>
<td>C</td>
<td>R</td>
<td>N</td>
<td>U</td>
</tr>
<tr>
<td>Q #</td>
<td>Question</td>
<td>Result</td>
<td>Sig</td>
<td>Rep</td>
<td>PMS</td>
</tr>
<tr>
<td>-----</td>
<td>------------</td>
<td>---------</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>34</td>
<td>3OPB1J0</td>
<td>C R N U</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>3OPB1K0</td>
<td>C R N U</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>3OPB1P0</td>
<td>C R N U</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>37</td>
<td>3OPB1U0</td>
<td>C R N U</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>38</td>
<td>3OPB2A0</td>
<td>C R N U</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>39</td>
<td>3OPB2B0</td>
<td>C R N U</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>3OPB3E0</td>
<td>C R N U</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>41</td>
<td>3OPB4D0</td>
<td>C R N U</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>3OPB4E0</td>
<td>C R N U</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>43</td>
<td>3OPB4G0</td>
<td>C R N U</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>44</td>
<td>3OPB4H0</td>
<td>C R N U</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>45</td>
<td>3OPB4I0</td>
<td>C R N U</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>46</td>
<td>3OPB5C0</td>
<td>C R N U</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>47</td>
<td>3OPB5D0</td>
<td>C R N U</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>48</td>
<td>3OPB5E0</td>
<td>C R N U</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>49</td>
<td>3OPB5F0</td>
<td>C R N U</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>50</td>
<td>3OPB5G0</td>
<td>C R N U</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>51</td>
<td>3OPB5I0</td>
<td>C R N U</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>52</td>
<td>3OPB5M0</td>
<td>C R N U</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>53</td>
<td>3OPB5O0</td>
<td>C R N U</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>54</td>
<td>3OPB5P0</td>
<td>C R N U</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>55</td>
<td>3OPB5Q0</td>
<td>C R N U</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>56</td>
<td>3OPB6A0</td>
<td>C R N U</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>