

**JOINT FLEET MAINTENANCE MANUAL****VOLUME I****NEW CONSTRUCTION****LIST OF EFFECTIVE PAGES**

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JOINT FLEET MAINTENANCE MANUAL CHANGE REQUEST FORM	
FROM: ACTIVITY/SHIP _____ E-MAIL ADDRESS _____	
CODE/DEPT/SHOP _____ DATE _____	
ORIGINATOR _____ TEL EXT ( ) _____	
VOL-PART-PARA NO. _____ FIGURE _____ TABLE _____	
PROCESSING NORMAL _____ URGENT* _____ * (Justify in rationale below if urgent is marked <b>and transmit via e-mail as "High Importance"</b> )	
PROBLEM DESCRIPTION:   	
RECOMMENDED CHANGE: <b>(Include any proposed text addition/deletion)</b>     	
RATIONALE:          	

E-mail to [PTNH.SUBMEPP.JFMMMGR@Navy.Mil](mailto:PTNH.SUBMEPP.JFMMMGR@Navy.Mil)  
 (If mailing, fold on dotted line on reverse side and mail to Submarine Maintenance Engineering, Planning and Procurement (SUBMEPP) Activity **or** send facsimile to (207) 438-6210.)

FOLD

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Commanding Officer

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OFFICIAL BUSINESS

Commanding Officer  
Submarine Maintenance Engineering,  
Planning and Procurement (SUBMEPP) Activity  
Attn: Code 1832**JM**  
P.O. Box 2500  
Portsmouth Naval Shipyard  
Portsmouth, NH 03804-2500

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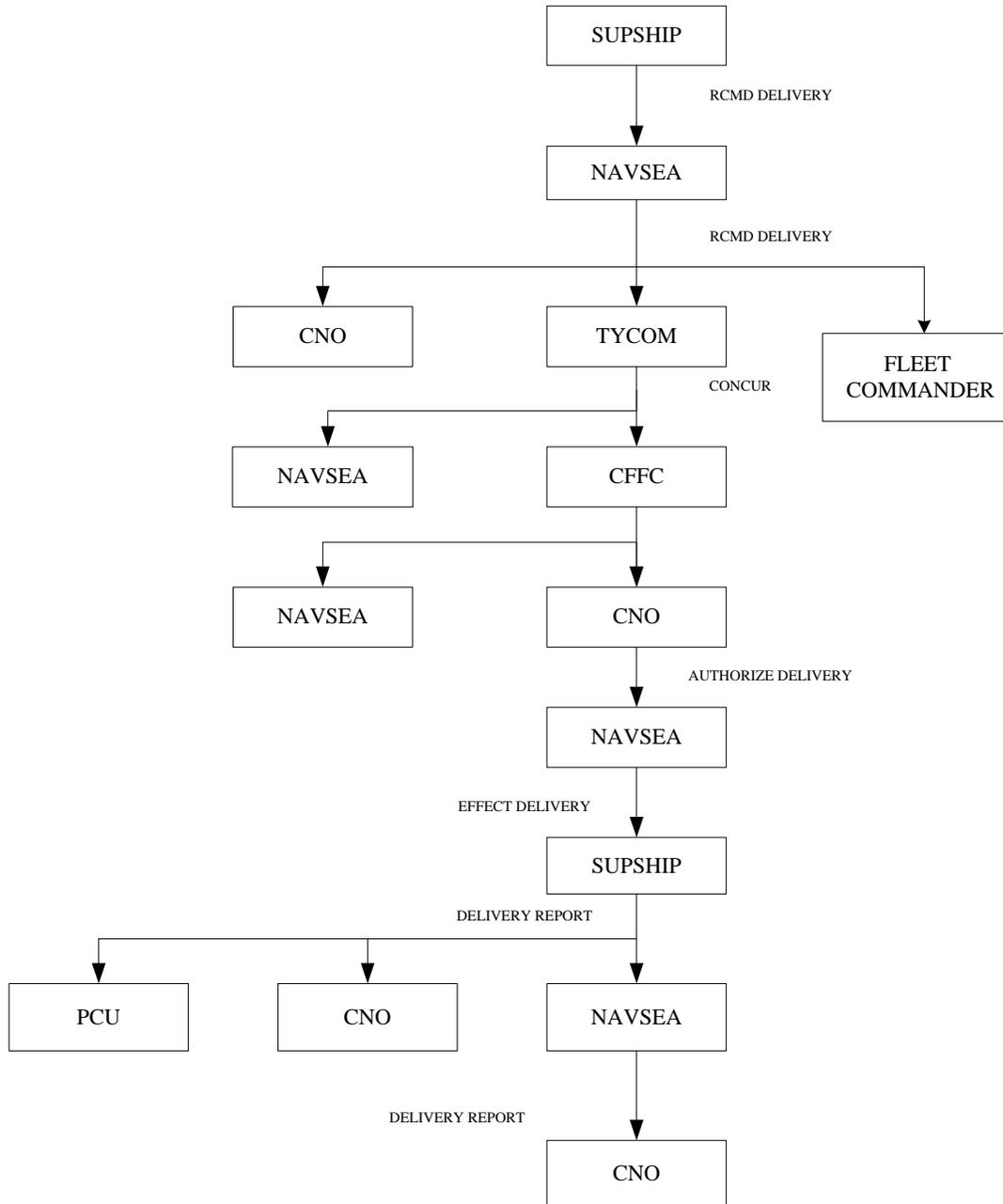
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APPENDIX B<sub>8</sub>

DELIVERY MESSAGES SCENARIO



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- c. Reviewing all incoming correspondence for PCU applicability and forwarding platform related documentation as required.
- d. Conducting the Habitability Inspection when requested by the Accepting Authority (may be delegated to the ISIC). Sample messages relating to Habitability and In-Service are contained in Appendix A of this chapter.
- e. Recommending to the CNO that the ship be placed "In-Service Active" upon receiving satisfactory results of the Habitability Inspection. Appendix A of this chapter provides sample messages.
- f. (Nuclear Powered Ships only) Conducting or assisting the ISIC with the Pre-RSE.
- g. (Non-Nuclear Powered Ships only) Establishing Light-Off Assessment (LOA) dates via liaison with the ISIC, the Ship and the Propulsion Examining Board.
- h. Conducting or directing the conduct of the arrival assist and periodic monitoring inspections as defined in Volume I, Chapter 3, paragraph 3.3.1 and 3.3.2 of this manual.
- i. (Nuclear Powered Ships only) Conducting an inspection to certify crew training per the requirements of reference (b).
- j. (Nuclear Powered Ships only) Exercising operational control during underway trials either directly or through the designated ISIC.
- k. (Submarines only) Reviewing the schedule and sequence of Sea Trial Agendas and concurring by message to the Supervising Authority concerning the operational aspects of the specific trial. Appendix I of this chapter provides a sample message.
- l. (Submarines only) Providing escorts as may be required. Send Sea Trial support services message to specify Submarine Rescue Diving Recompression System (SRDRS) "modified alert" requirements. Appendix J of this chapter provides a sample message.
- m. (Submarines only) Assigning an unrestricted Line Officer (a former Commanding Officer (CO) senior to the Officer In Charge (OIC)) as the TYCOM Embarked Representative who has authority to act for the TYCOM, making on-the-spot changes to approved Sea Trial Agendas.
- n. (Submarines only) If desired, assigning an officer to act as the TYCOM material representative on selected trials. The material representative's duties include:
  - (1) Serving as a technical advisor to the TYCOM Embarked Representative on matters pertaining to Sea Trial Agenda modifications, compliance with this instruction and disposition of emergent material problems.
  - (2) Acting for the TYCOM in making on-the-spot changes to approved Sea Trial Agendas in the absence of the TYCOM Embarked Representative.
- o. (Submarines only) Reporting to the CNO and the Ship Program Manager that the crew is ready for underway trials, prior to Fast Cruise and upon receipt of the ISIC message certifying the operational readiness of the submarine crew. Appendix B of this chapter reflects the message scenario and contains sample messages for Fast Cruise/Alpha Trials.
- p. (Submarines only) Promulgating of the Alpha Sea Trial Depth Authorization upon receipt of the Supervising Authority message reporting completion of Fast Cruise and the Ship Program Manager message promulgating the authorized depth for the Alpha Trial. Appendix B of this chapter provides sample messages.

**NOTE: SUBSEQUENT TO THE SHIP PROGRAM MANAGER AND SUPERVISING AUTHORITY MESSAGES PROMULGATING DEPTH AUTHORIZATION AND REPORTING THE SHIP'S MATERIAL READINESS TO COMMENCE FAST CRUISE AND SEA TRIALS, ANY DEFICIENCY DISCOVERED AND CORRECTIVE ACTION TAKEN WHICH AFFECTS THE WATERTIGHT INTEGRITY, THE RECOVERABILITY OF THE SHIP, THE OPERATIONS OF THE SHIP'S CONTROL SURFACES OR THE SHIP'S SALVAGE CAPABILITY SHALL BE REPORTED TO THE SHIP PROGRAM MANAGER, THE TYCOM AND FLEET COMMANDER BY THE SUPERVISING AUTHORITY/ISIC/TYCOM REPRESENTATIVE AND PCU BY MESSAGE. PREVIOUS CERTIFICATION MESSAGES SHALL BE SUSPENDED. WHEN THE SHIP PROGRAM MANAGER'S REVIEW OF THE MESSAGE IS COMPLETED, THE SHIP PROGRAM MANAGER WILL CERTIFY TO THE TYCOM THAT THE MATERIAL CONDITION OF THE SHIP IS SATISFACTORY FOR SEA TRIALS TO A SPECIFIED DEPTH.**

- q. (Submarines only) Promulgating by message the Bravo, Charlie and Combined Trials Depth Authorization after receipt of the Supervising Authority message confirming readiness for the test depth dive and the Ship Program Manager message promulgating Sea Trial Depth Authorization. Appendix C of this chapter provides sample messages.
- r. (Submarines only) Promulgating by message to the PCU the final URO Material Certification upon receipt of the Supervising Authority message concerning material condition for URO and the Ship Program Manager message recommending URO. Appendix D of this chapter provides sample messages.
- s. (Applicable Submarines only) Prior to Alpha Sea Trials and following NAVSEA certification that the submarine FBW SCS is satisfactory for sea trials and Supervising Authority report that the FBW SCS is satisfactory for commencement of Alpha Sea Trials, report by message to ship authorizing conduct of sea trials in accordance with the approved Sea Trial Agenda and specifically identify any operating restrictions of the ship and/or system. Repeat the routine for each subsequent sea trial. Appendix K of this chapter provides a sample message.
- t. (Applicable Submarines only) After all builder's sea trials, and following NAVSEA certification that the submarine FBW SCS is satisfactory for unrestricted use, report by message to ship authorizing FBW SCS unrestricted use in support of submarine unrestricted operations or specifically identify any operating restrictions of the ship and/or system. Appendix L of this chapter provides a sample message.

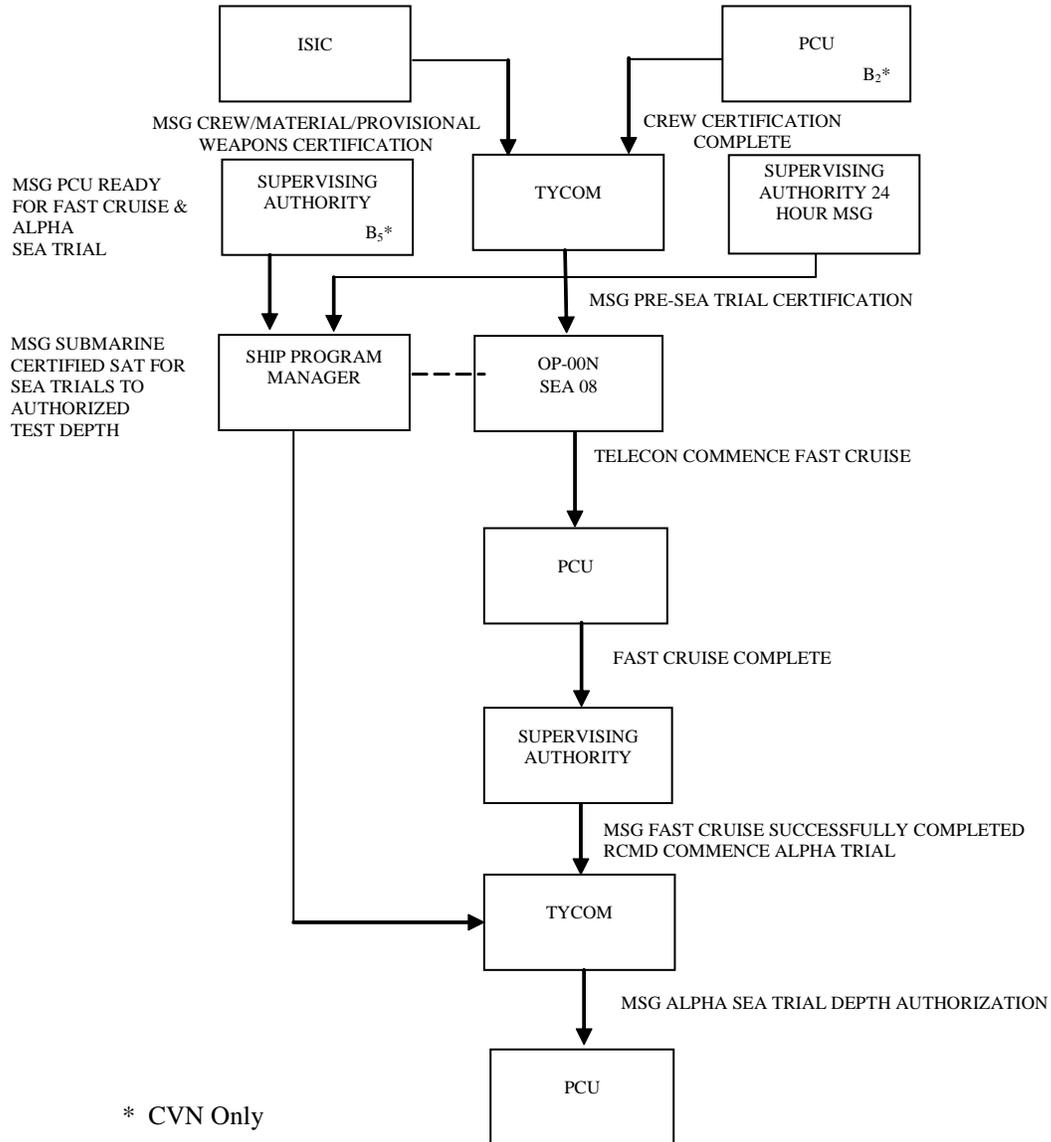
2.3.2 Combined Trials/Acceptance Trials/Final Contract Trials/Guarantee Material Inspection. The TYCOM's responsibilities for these trials are documented in references (a), (e), and (f). The most significant action from the ship's perspective is the TYCOM's presenting of the ship for GMI or FCT.

2.3.3 Post Shakedown Availability. The TYCOM's responsibilities as related to PSA are as follows:

- a. (Non-Nuclear Powered Ships only) Assist with LOA as shown in Volume I, Chapter 6, Appendix C.
- b. (Nuclear Powered Ships only) Conduct or assist the ISIC in conducting the Pre-Critical Inspection (only required when reactor has been shutdown greater than 16 weeks). Schedule the Fleet Commander Post-Overhaul RSE as recommended by the Industrial Activity in the Key Events Schedule and confirmed by the parent ISIC/TYCOM representative (required if the availability is scheduled for more than six months) upon completion of the ISIC's Pre-Critical Inspection.
- c. (Submarines only) Provide escorts as required. In support of submarine trials send a Sea Trials Support Services message (Appendix M of this chapter) to specify SRDRS "modified alert" requirements.

**APPENDIX B**

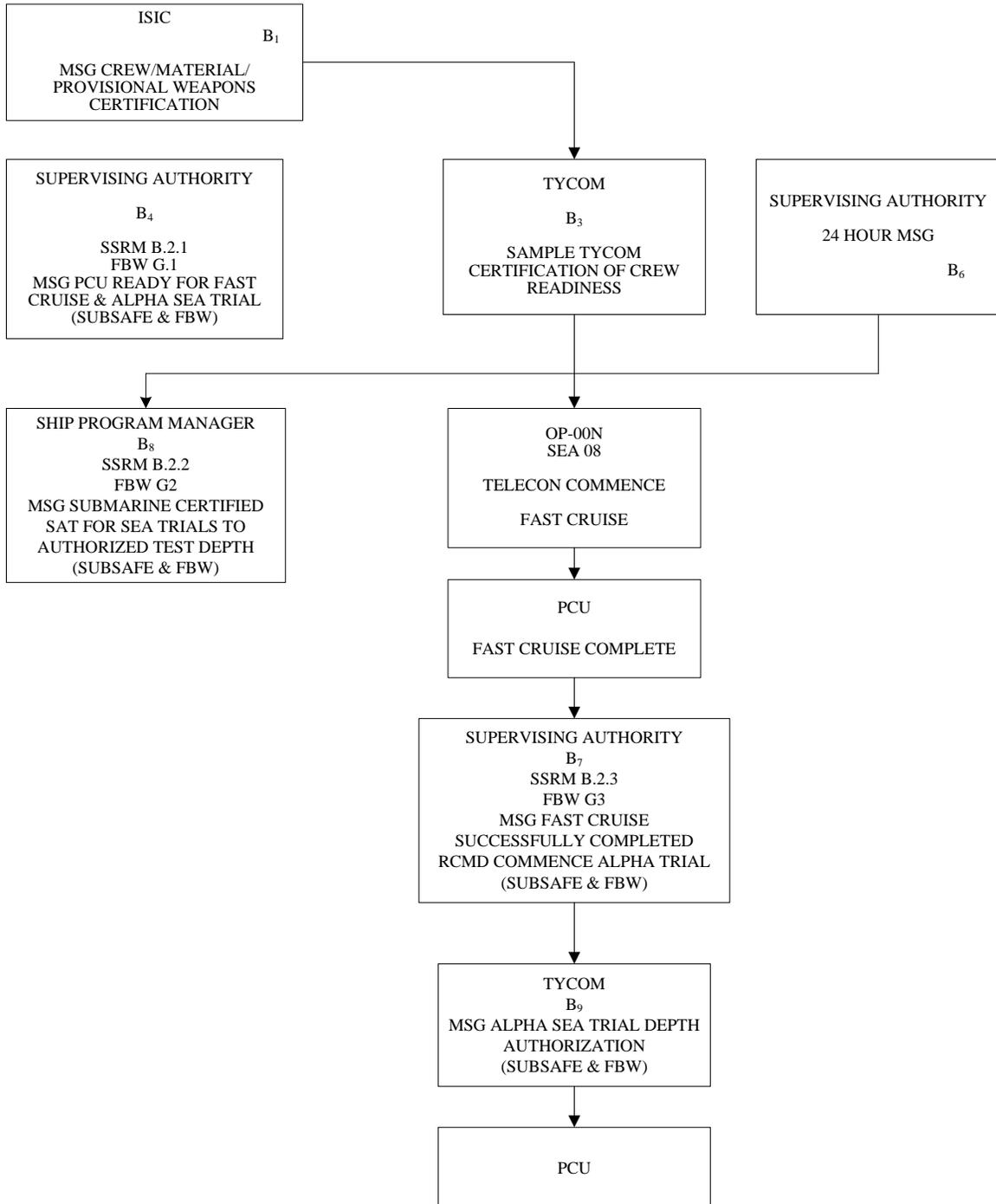
**Message Scenario and Sample Messages  
For Fast Cruise and Alpha Sea Trial (Nuclear Powered Ships)  
(For Submarines See Appendix B - SUBS)**



**APPENDIX B - SUBS**

**Submarines Only**

**Message Scenario and Sample Messages  
For Fast Cruise and Alpha Sea Trial (Nuclear Powered Ships)**



APPENDIX B<sub>1</sub>

**SAMPLE ISIC CERTIFICATION OF NEW CONSTRUCTION  
 READINESS FOR FAST CRUISE AND SEA TRIALS MESSAGE (SUBMARINES)**

FM (ISIC)//  
 TO (TYCOM)//N4/N43/N433/N433312/N40/N402/N40A//  
 INFO CNO WASHINGTON DC//087//  
 COMNAVSEASYS COM WASHINGTON DC//(SHIP PROGRAM MANAGER)/08//04/04X/05H/07Q/07T//  
 PEO SUB WASHINGTON DC//450//  
 COMUSFLTFORCOM NORFOLK VA//N33/N43//  
 (PARENT GROUP)//  
 (PARENT SQUADRON)//  
 PRES INSURV NORFOLK VA  
 SUPSHIP GROTON CT  
 SUPSHIP NEWPORT NEWS VA  
 COMSUBGRU TWO SHIPYARD REP GROTON CT  
 COMSUBGRU SHIPYARD REP NEWPORT NEWS VA  
 COMSUBDEVRON FIVE SILVERDALE WA//N3//  
 SUBDEVRON FIVE DET DAN DIEGO CA//N3//  
 SSV CAROLYN CHOUET  
 (SUPERVISING AUTHORITY)/(APPROPRIATE CODE)//  
 (SHIP NAME AND HULL NUMBER)//  
 CCGDONE BOSTON MA//CC/MHS//  
 COMLANTAREA COGARD PORTSMOUTH VA//AM//AO//  
 COMCOGARD SECTOR LONG ISLAND SOUND NEW HAVEN CT  
 BT  
 UNCLAS //N09094//  
 MSGID/GENADMIN/(ISIC)//  
 SUBJ/(SUBS) PRECOMUNIT (SHIP NAME AND HULL NO.) CREW AND SALVAGE CERTIFICATION//  
 REF/A/DOC/COMFLTFORCOMINST 4790.3/(date)  
 REF/B/DOC/COMNAVSEASYS COM/S9560-CH-SCB-010/(date)/(If required)  
 REF/C/DOC/COMNAVSUBFOR 8500.2/(DATE) (If required)  
 NARR/REF A IS JOINT FLEET MAINTENANCE MANUAL//REF B (if required) IS VIRGINIA  
 CLASS SUBMARINE FLY-BY-WIRE SHIP CONTROL SYSTEM CERTIFICATION BOUNDARY  
 BOOK, REF C IS TACTICAL WEAPONS CERTIFICATION, PROFICIENCY AND  
 MODERNIZATION//  
 RMKS/1. CREW CERTIFICATION CONDUCTED AND SATISFACTORILY COMPLETED IAW REF A.  
 2. SALVAGE CONDITION CERTIFIED SATISFACTORY.  
 3. MATERIAL CONDITION CERTIFIED SATISFACTORY UPON COMPLETION OR RESOLUTION  
 OF THE FOLLOWING:  
 4. PCU (Ship Name and Hull Number) IS PREPARED TO ASSUME RESPONSIBILITY FOR RE-ENTRY  
 CONTROL. PCU (Ship Name and Hull Number) IS PREPARED TO ASSUME RESPONSIBILITY FOR  
 SUBMARINE FLY-BY-WIRE AND FLIGHT CRITICAL COMPONENT CONTROLS IAW REF B.  
 5. (ISIC) REPORTS THE READINESS OF (Ship Name and Hull Number) FOR COMMENCEMENT OF  
 FAST CRUISE. COMMANDING OFFICER, PCU (Ship Name and Hull Number) CONCURS.  
 6. SUBJECT TO SATISFACTORY COMPLETION OF FAST CRUISE AND RESOLUTION OF  
 MANDATORY DEFICIENCIES, (ISIC) CONSIDERS PCU (Ship Name and Hull Number) MATERIAL  
 CONDITION READINESS SATISFACTORY FOR COMMENCEMENT OF SEA TRIALS.  
 7. PCU (Ship Name and Hull Number) IS PROVISIONALLY CERTIFIED TO LOAD, HANDLE, STOW, AND  
 MAINTAIN SHAPES IAW REF C.//  
 BT

**NOTE: ENSURE MESSAGES ARE IN ACCORDANCE WITH NTP-3 FORMAT AND CURRENT  
 PLAD IS UTILIZED.**

**APPENDIX B<sub>2</sub>**

**SAMPLE PRE-COMMISSIONING UNIT MESSAGE  
TO TYCOM CONCERNING CREW CERTIFICATION (CVN)**

FM PRECOMUNIT (SHIP NAME)//  
TO TYCOM//N00/N02/N3/N8//  
INFO COMNAVSEASYS COM WASHINGTON DC//08/PMS-312//  
(FLEET COMMANDER)//N43//  
(PARENT GROUP)//N4//  
(SUPERVISING AUTHORITY)//  
BT  
UNCLAS //N09094//  
MSGID/GENADMIN/(ORIGINATING ACTIVITY)//  
SUBJ: CREW CERTIFICATION PHASE II//  
REF/A/DOC/OPNAVINST/-/9080.3//  
AMPN/REF A IS PROCEDURES FOR TESTS AND TRIALS OF NAVAL NUCLEAR POWERED SHIPS  
UNDER CONSTRUCTION, MODERNIZATION, CONVERSION, REFUELING AND OVERHAUL//  
REF/B/DOC/OPNAVINST/-/9080.2//  
AMPN/REF B IS CREW CERTIFICATION REQUIREMENTS FOR NEW CONSTRUCTION CVNS//  
REF/C/DOC/CNALINST 3500.20//  
AMPN/REF C IS CVN TRAINING AND READINESS MANUAL//  
RMKS/1. (PARENT GROUP) CERTIFIES (SHIP NAME) SATISFACTORILY COMPLETED CREW  
CERTIFICATION PHASE II AS REQUIRED BY REF A AND IAW REFS B AND C. RECOMMEND (SHIP  
NAME) COMMENCE BUILDER'S SEA TRIALS AS SCHEDULED.  
2. RELEASED BY COMMANDER (PARENT GROUP)//  
BT

**NOTE: ENSURE MESSAGES ARE IN ACCORDANCE WITH NTP-3 FORMAT AND CURRENT  
PLAD IS UTILIZED.**

APPENDIX B<sub>3</sub>

**SAMPLE TYCOM CERTIFICATION OF CREW READINESS  
FOR UNDERWAY TRIALS MESSAGE (SUBMARINES)**

FM (TYCOM)//N43//  
 TO CNO WASHINGTON DC//N77//  
 COMNAVSEASYSYSCOM WASHINGTON DC//(SHIP PROGRAM MANAGER)/08//  
 INFO (FLEET COMMANDER)//N43//  
 (ISIC)//  
 (PARENT GROUP)//  
 (PARENT SQUADRON)//  
 PRECOMUNIT (SHIP NAME)//  
 (SUPERVISING AUTHORITY)//(APPROPRIATE CODE)//  
 DSU SAN DIEGO CA//N3//  
 COMSUBDEVRON FIVE SILVERDALE WA//N3//  
 BT  
 UNCLAS //N09094//  
 MSGID/GENADMIN/(TYCOM)//  
 SUBJ/(SUBS) PRE-SEA TRIAL CERTIFICATION OF PRECOMUNIT (SHIP NAME AND HULL NO.)//  
 REF/A/MSG/(ORIGINATING ACTIVITY)/(DTG)//  
 AMPN/REF A IS ISIC CERTIFICATION OF READINESS FOR FAST CRUISE AND SEA TRIALS//  
 REF/B/DOC/OPNAVINST 9080.3//  
 AMPN/REF B IS PROCEDURES FOR TESTS AND TRIALS OF NAVAL NUCLEAR POWERED SHIPS  
 UNDER CONSTRUCTION, MODERNIZATION, CONVERSION, REFUELING, AND OVERHAUL//  
 RMKS/1. PRE-SEA TRIAL INSPECTION OF PRECOMUNIT (SHIP NAME) COMPLETED SAT PER REF A.  
 IAW REF B, CREW IS CERTIFIED READY FOR UNDERWAY TRIALS, SUBJECT TO CORRECTION OF  
 SALVAGE INSP DEFS OF PARA 2, REF A, AND REPORT THAT FAST CRUISE SUCCESSFULLY  
 COMPLETED.//  
 BT

**NOTE: ENSURE MESSAGES ARE IN ACCORDANCE WITH NTP-3 FORMAT AND CURRENT  
PLAD IS UTILIZED.**

APPENDIX B<sub>4</sub>

**SAMPLE SUPERVISING AUTHORITY TO SHIP PROGRAM MANAGER MESSAGE  
CONCERNING FAST CRUISE/ALPHA SEA TRIAL READINESS (SUBMARINES)**

FM (SUPERVISING AUTHORITY)//  
TO COMNAVSEASYS COM WASHINGTON DC//  
INFO CNO WASHINGTON DC//  
FLEET COMMANDER (LANT/PAC)//  
DIRSSP WASHINGTON DC FOR SSBN  
COMSUB<LANT/PAC><NORFOLK VA/PEARL HARBOR HI//  
COMSUBGRU//  
PRECOMUNIT (SHIP NAME)//  
BT  
UNCLAS //N09094//  
MSGID/GENADMIN/(SUPERVISING AUTHORITY)//  
SUBJ/(SUBS) READINESS FOR FAST CRUISE AND ALPHA SEA TRIAL OF (SHIP NAME AND HULL NO.)//  
REF/A/DOC/NAVSEA 0924-LP-062-0010//  
NARR/REF A IS THE SUBSAFE REQUIREMENTS MANUAL//  
REF/B/LTR/(ORIGINATING ACTIVITY) (SERIAL NUMBER)/(DATE)//  
AMPN/REF B IS NAVSEA SUBSAFE CERTIFICATION AUDIT REPORT FOR (SHIP NAME AND HULL NO.)//  
RMKS/1. IAW REF A, (SUPERVISING AUTHORITY) REPORTS THE COMPLETION OF ALL SUBSAFE WORK AND TESTING <If shore power is to remain connected during Fast Cruise add the following statement: , WITH THE EXCEPTION OF THE INSTALLATION OF SHORE POWER COVERS,> REQUIRED FOR COMMENCEMENT OF ALPHA SEA TRIAL.  
2. IAW REF A, (SUPERVISING AUTHORITY) REPORTS THAT ALL CAT I AUDIT RECOMMENDATIONS OF REF B AND/OR C HAVE BEEN SATISFACTORILY RESOLVED. THERE ARE NO SUBSAFE DEVIATIONS AND WAIVERS WITH CONDITIONS WHICH HAVE NOT BEEN SATISFIED.(OR LIST CONDITIONAL DEVIATIONS AND WAIVERS Including Deviation Number, Short Title And Expected Clearance Date/Key Event (NOTE-1))//  
3. IAW REF A, THE STATUS OF ALL INCOMPLETE CAT 1A AUDIT RECOMMENDATIONS OF REF B IS AS FOLLOWS:  
A.  
B.  
4. (SUPERVISING AUTHORITY) REPORTS READINESS OF (SHIP NAME AND HULL NO.) FOR COMMENCEMENT OF FAST CRUISE. OIC (SHIP NAME AND HULL NO.) CONCURS.  
5. SUBJECT TO SATISFACTORY COMPLETION OF FAST CRUISE <If shore power is to remain connected during Fast Cruise add the following statement: , INSTALLATION OF THE SHORE POWER COVERS,> AND RESOLUTION OF MANDATORY DEFICIENCIES, (SUPERVISING AUTHORITY) CONSIDERS (SHIP NAME/HULL NO.) SUBSAFE MATERIAL CONDITION READINESS SATISFACTORY FOR COMMENCEMENT OF ALPHA SEA TRIAL.//  
BT

**NOTE-1: SUBJECT TO PROGRAM MANAGER APPROVAL, CUMULATIVE LISTS OF CONDITIONAL DEVIATIONS AND WAIVERS WHICH ARE DEEMED TOO LENGTHY FOR MESSAGES MAY BE COMMUNICATED IN A LETTER FORMAT, WITH THE LETTER REFERENCED BY THE APPLICABLE MESSAGE.**

**NOTE-2: ENSURE MESSAGES ARE IN ACCORDANCE WITH NTP-3 FORMAT AND CURRENT PLAD IS UTILIZED.**

APPENDIX B<sub>5</sub>

**SAMPLE SUPERVISING AUTHORITY MESSAGE TO SHIP PROGRAM MANAGER  
CONCERNING FAST CRUISE/SEA TRIAL READINESS (CVN)**

FM (SUPERVISING AUTHORITY)//  
 TO COMNAVSEASYS COM WASHINGTON DC//(SHIP PROGRAM MANAGER)/08/07Q//  
 INFO CNO WASHINGTON DC//N77//  
 (FLEET COMMANDER)//N33/N43/N7//  
 PRESINSURV NORFOLK VA//00/01/03/36//  
 (TYCOM ATLANTIC)//N00/N02/N43/N421/N81/N9//  
 (TYCOM PACIFIC)//N00/N02/N3/N43/N421/N81/N9//  
 (PARENT GROUP)//N4//  
 PRECOMUNIT (SHIP NAME)//  
 BT  
 UNCLAS //N09094//  
 MSGID/GENADMIN/(SUPERVISING AUTHORITY)//  
 SUBJ: (SHIP NAME (CVN )) READINESS FOR FAST CRUISE AND SEA TRIALS  
 REF/A/DOC/OPNAVINST/-/9080.3//  
 AMPN/REF A IS PROCEDURES FOR TESTS AND TRIALS OF NAVAL NUCLEAR POWERED SHIPS  
 UNDER CONSTRUCTION, MODERNIZATION, CONVERSION, REFUELING AND OVERHAUL//  
 REF/B/MSG/PCU (SHIP NAME)/(MESSAGE DTG)//  
 AMPN/REF B IS REPORT OF COMPLETION OF CREW CERTIFICATION//  
 REF/C/LTR/(ORIGINATING ACTIVITY) (LETTER SERIAL NUMBER)/(DATE)//  
 AMPN/REF C IS BUILDER REQUEST FOR REACTOR PLANT STARTUP TO PERFORM RETESTS WITH  
 REACTOR STEAM//  
 RMKS/1. IAW REF A, (SUPERVISING AUTHORITY) CERTIFIES THE MATERIEL CONDITION OF (SHIP  
 NAME/HULL NO.) FOR FAST CRUISE AND SEA TRIALS.  
 2. PHASE II CREW CERTIFICATION SUCCESSFULLY COMPLETED AS REPORTED BY REF B.  
 3. ALL Q-COSAL ITEMS ARE ABOARD. ALL OSI AND SRI CRITICAL SHORTAGE ITEMS HAVE BEEN  
 RESOLVED.  
 4. CURRENTLY HAVE NO SIGNIFICANT ITEMS AFFECTING COMMENCEMENT OF FAST CRUISE/SEA  
 TRIALS.  
 5. UPON SATISFACTORY COMPLETION OF PROPULSION PLANT STARTUP RETESTS (REF C), ALL  
 SYSTEMS/EQUIPMENT ESSENTIAL FOR SEA TRIALS WILL BE OPERATIONAL.  
 6. REMAINING FAST CRUISE PREREQUISITE WORK WILL BE COMPLETE TO SUPPORT FAST CRUISE  
 AT (TIME AND DATE).  
 7. OIC (SHIP NAME) CONCURS//  
 BT

**NOTE: ENSURE MESSAGES ARE IN ACCORDANCE WITH NTP-3 FORMAT AND CURRENT  
PLAD IS UTILIZED.**

**APPENDIX B<sub>6</sub>**

**SAMPLE SUPERVISING AUTHORITY TO SHIP PROGRAM MANAGER  
24 HOUR MESSAGE CONCERNING FAST CRUISE READINESS (SUBMARINES)**

FM (SUPERVISING AUTHORITY)//  
TO COMNAVSEASYS COM WASHINGTON DC//(SHIP PROGRAM MANAGER)/08//  
INFO PRECOMUNIT (SHIP NAME)//  
BT  
UNCLAS //N09080//  
MSGID/GENADMIN/(SUPERVISING AUTHORITY)//  
SUBJ/(SUBS) (SHIP NAME AND HULL NO.) READINESS FOR FAST CRUISE//  
REF/A/DOC/OPNAVINST 9080.3//  
AMPN/REF A IS PROCEDURES FOR TESTS AND TRIALS OF NAVAL NUCLEAR POWERED SHIPS  
UNDER CONSTRUCTION, MODERNIZATION, CONVERSION, REFUELING AND OVERHAUL//  
REF/B/MSG/(ORIGINATING ACTIVITY)/(DTG)//  
AMPN/REF B IS (ISIC) MESSAGE CONCERNING CREW CERTIFICATION//  
RMKS/1. PER REQUIREMENTS OF REF A, (SUPERVISING AUTHORITY) CONSIDERS THAT THE  
MATERIAL CONDITION OF (SHIP NAME) WILL BE READY TO COMMENCE FAST CRUISE AT (TIME  
AND DATE).  
2. ALL SUBSAFE CAT I CARDS HAVE BEEN SATISFACTORILY RESOLVED.  
3. MATERIAL/SALVAGE CONDITION CERTIFIED READY FOR SEA IN REF B.  
4. SIGNIFICANT PRODUCTION WORK IS AS FOLLOWS:  
    A.  
    B.  
5. ESTABLISHED TIME TO COMPLETE ALL ITEMS IS (TIME AND DATE).//  
BT

**NOTE: ENSURE MESSAGES ARE IN ACCORDANCE WITH NTP-3 FORMAT AND CURRENT  
PLAD IS UTILIZED.**

APPENDIX B<sub>7</sub>SAMPLE SUPERVISING AUTHORITY TO SHIP PROGRAM MANAGER AND TYCOM  
MESSAGE CONCERNING FAST CRUISE COMPLETION (SUBMARINES)

FM (SUPERVISING AUTHORITY)//  
 TO COMSUB (LANT/PAC) (NORFOLK VA/PEARL HARBOR HI)//  
 COMNAVSEASYS COM WASHINGTON DC//  
 INFO CNO WASHINGTON DC//  
 CINC<LANT/PAC>FLT<NORFOLK VA/PEARL HARBOR HI>  
 <DIRSSP WASHINGTON DC FOR SSBN>  
 COMSUBGRU (NO) //  
 PRECOMUNIT (SHIP NAME)//  
 BT  
 UNCLAS //N09094//  
 MSGID/GENADMIN/(SUPERVISING AUTHORITY)//  
 SUBJ/(SUBS) PRECOM UNIT (SHIP NAME/HULL NUMBER) FAST CRUISE COMPLETION AND  
 READINESS FOR ALPHA SEA TRIAL//  
 REF/A/DOC/OPNAVINST 9083.3//  
 REF/B/MSG/<SUPERVISING AUTHORITY>/<DTG>// {B.2.1}  
 NARR/REF A CONTAINS PROCEDURES FOR TESTS AND TRIALS OF NAVAL NUCLEAR POWERED  
 SHIPS. REF B IS SUPERVISING AUTHORITY TO SHIP PROGRAM MANAGER MESSAGE CONCERNING  
 FAST CRUISE/ALPHA SEA TRIAL READINESS//  
 RMKS/1. IAW REF A, <SUPERVISING AUTHORITY> REPORTS <SHIP NAME/HULL NUMBER.> FAST  
 CRUISE SUCCESSFULLY COMPLETED AT <TIME, DATE>.  
 2. NO MANDATORY DEFICIENCIES FOR SEA TRIALS HAVE BEEN IDENTIFIED. *<If shore power  
 remained connected during Fast Cruise add the following statement: AS REQUIRED BY REF B, <SUPERVISING  
 AUTHORITY> REPORTS THE SATISFACTORY INSTALLATION OF SHORE POWER COVERS.> THERE  
 HAVE BEEN NO RECS OPENED AND NO SUBSAFE DEVIATIONS AND WAIVERS PROCESSED SINCE  
 THE START OF FAST CRUISE. <or, report any mandatory deficiencies discovered with corrective action, and if  
 RECs and/or Deviations and Waivers were processed since the start of Fast Cruise, report ALL RECS OPENED  
 SINCE THE START OF FAST CRUISE ARE CLOSED AND/OR ALL SUBSAFE DEVIATIONS AND  
 WAIVERS RESOLVED.>*  
 3. THERE ARE NO SUBSAFE DEVIATIONS AND WAIVERS WITH CONDITIONS WHICH HAVE NOT  
 BEEN SATISFIED. *<or list conditional Deviations and Waivers including Deviation Number, Short Title and  
 Expected Clearance Date/Key Event. (NOTE-1)>.*  
 4. RECOMMEND COMMENCEMENT OF ALPHA TRIAL AS SCHEDULED. OIC (SHIP NAME)  
 CONCURS.//  
 BT

**NOTE-1: SUBJECT TO PROGRAM MANAGER APPROVAL, CUMULATIVE LISTS OF  
 CONDITIONAL DEVIATIONS AND WAIVERS WHICH ARE DEEMD TOO LENGTHY  
 FOR MESSAGES MAY BE COMMUNICATED IN A LETTER FORMAT, WITH THE  
 LETTER REFERENCED BY THE APPLICABLE MESSAGE.**

**NOTE-2: LIST ALL RE-ENTRIES TO MATERIAL CERTIFICATION BOUNDARY AND ALL WORK  
 ON SYSTEMS AFFECTING RECOVERABILITY, SALVAGE, WATERTIGHT INTEGRITY,  
 OR OPERATION OF SHIP'S CONTROL SURFACES WITH CORRECTIVE ACTION SINCE  
 RELEASE OF FAST CRUISE MESSAGE.**

**NOTE-3: ENSURE MESSAGES ARE IN ACCORDANCE WITH NTP-3 FORMAT AND CURRENT  
 PLAD IS UTILIZED.**

APPENDIX B<sub>8</sub>

SAMPLE NAVSEA TO TYCOM MESSAGE CONCERNING  
MATERIAL CONDITION AND AUTHORIZED DEPTH FOR  
ALPHA SEA TRIAL (SUBMARINES)

FM COMNAVSEASYS COM WASHINGTON DC//  
TO ((COMSUB<LANT/PAC) (NORFOLK VA/PEARL HARBOR HI))//  
INFO CNO WASHINGTON DC//N77//  
(LANT/PAC>FLT<NORFOLK VA/PEARL HARBOR HI)  
(DIRSSP WASHINGTON DC FOR SSBN)  
COMSUBGRU (NO)//  
COMSUBRON (NO)//  
PRECOMUNIT <SHIP NAME>  
(SUPERVISING AUTHORITY)//(APPROPRIATE CODE)//  
PRECOMUNIT (SHIP NAME)//  
BT  
UNCLAS //N09094//  
MSGID/GENADMIN/COMNAVSEASYS COM//  
SUBJ/(SUBS)-MATERIAL CONDITION READINESS AND DEPTH RECOMMENDATION FOR ALPHA SEA  
TRIALS OF PRECOMMUNIT (SHIP NAME AND HULL NO.)//  
REF/A/DOC/NAVSEA 0924-LP-062-0010//  
REF/B/DOC/OPNAVINST 9080.3//  
REF/C/MSG/(SUPERVISING ACTIVITY)/(DTG)//  
REF/D/MSG/(SUPERVISING ACTIVITY)/(DTG)//  
REF/E/LTR/ (TYCOM)/(SERIAL NUMBER)/(DATE)//  
REF/F/LTR/(SHIP PROGRAM MANAGER)/(SERIAL NUMBER)/(DATE)//  
NARR/REF A IS THE SUBSAFE REQUIREMENTS MANUAL. REF B CONTAINS PROCEDURES FOR  
TESTS AND TRIALS OF NAVAL NUCLEAR POWERED SHIPS. REF C IS <SUPERVISING AUTHORITY>  
MSG REPORTING SUBSAFE MATERIAL CONDITION READINESS OF <SHIP NAME/HULL NO.> FOR  
FAST CRUISE AND ALPHA SEA TRIALS. REF D REPORTED THE MATERIAL READINESS OF THE SHIP  
TO COMMENCE FAST CRUISE AND SEA TRIALS. REF E CONCURRED WITH THE ALPHA SEA TRIALS  
AGENDA FOR <SHIP NAME/HULL NO.>. REF F APPROVED THE ALPHA SEA TRIALS AGENDA FOR  
<SHIP NAME/HULL NO.>://  
RMKS/1. IAW REFS A AND B, AND AS REPORTED BY REFS C AND D, THE MATERIAL CONDITION OF  
THE (SHIP NAME AND HULL NO.) IS CERTIFIED SATISFACTORY FOR SEA TRIALS TO (SPECIFIED) PERCENT  
TEST DEPTH. <If shore power is to remain connected during Fast Cruise, add the following statement:;  
FOLLOWING SUPERVISING AUTHORITY'S REPORT OF THE SATISFACTORY INSTALLATION OF  
SHORE POWER COVERS,> RECOMMEND AUTHORIZED DIVING UNDER DELIBERATE AND  
CONTROLLED CONDITIONS TO (SPECIFIED) PERCENT TEST DEPTH IAW THE SEA TRIAL AGENDA  
CONCURRED IN BY REF E AND APPROVED BY REF F.  
2. REQUEST NAVSEA PMS BE INFO ADDEE ON ALL SEA TRIALS SITREPS.//  
BT

NOTE: ENSURE MESSAGES ARE IN ACCORDANCE WITH NTP-3 FORMAT AND CURRENT  
PLAD IS UTILIZED.

APPENDIX B<sub>9</sub>SAMPLE TYCOM TO PRE-COMMISSIONING UNIT MESSAGE CONCERNING  
ALPHA SEA TRIAL AUTHORIZED TEST AND OPERATING DEPTH (SUBMARINES)

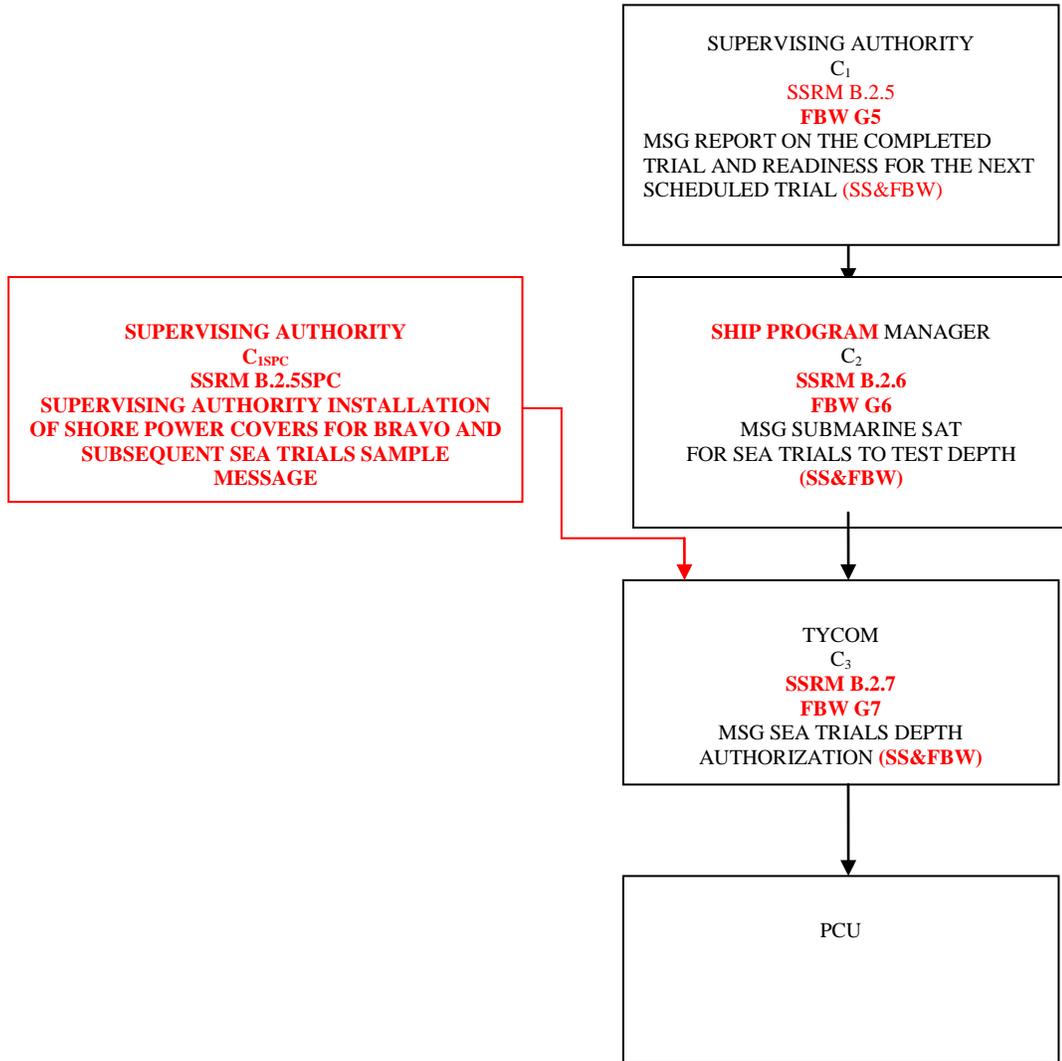
FM COMSUB<LANT/PAC><NORFOLK VA/PEARL HARBOR HI>//  
 TO PRECOMUNIT (SHIP NAME)//  
 INFO CNO WASHINGTON DC//  
 COMNAVSEASYS COM WASHINGTON DC//  
 <LANT/PAC>FLT<NORFOLK VA/PEARL HARBOR HI>  
 DIRSSP WASHINGTON DC FOR SSBN>  
 COMSUBGRU <NO.>//  
 COMSUBRON <NO.>//  
 (SUPERVISING AUTHORITY)//  
 BT  
 UNCLAS //N09094//  
 MSGID/GENADMIN/COMSUB(LANT/PAC)//  
 SUBJ/(SUBS) PRECOMUNIT (SHIP NAME AND HULL NO.) ALPHA SEA TRIAL DEPTH AUTHORIZATION//  
 REF/A/MSG/(ORIGINATING ACTIVITY)/(DTG)//  
 REF/B/MSG/(ORIGINATING ACTIVITY)/(DTG)//  
 REF/C/DOC/(TYCOM)NOTE C3120//  
 REF/D/DOC/(NAVSEA) (letter approving Sea Trials)  
 NARR/REF A IS NAVSEA MATERIAL CONDITION READINESS REPORT AND ALPHA SEA TRIALS  
 DEPTH RECOMMENDATION FOR <SHIP NAME/HULL NO.>. REF B IS <SUPERVISING AUTHORITY>  
 REPORT OF FAST CRUISE COMPLETION AND READINESS FOR ALPHA SEA TRIALS <If shore power  
 remained connected until start of Alpha Sea Trial, add the following statement: AND <SUPERVISING  
 AUTHORITY> REPORT OF SATISFACTORY INSTALLATION OF SHORE POWER COVERS>. REF C  
 CONCURRED WITH THE SEA TRIALS AGENDA. REF D APPROVED THE SEAL TRIALS AGENDA.//  
 RMKS/1. REF A CERTIFIES MATERIAL CONDITION OF (SHIP NAME AND HULL NO.) FOR SEA TRIALS TO  
 (SPECIFIED) PERCENT DESIGN TEST DEPTH. <If shore power remained connected until start of Alpha Sea  
 Trial, add the following statement:., SUBJECT TO <SUPERVISING AUTHORITY> REPORT OF  
 SATISFACTORY INSTALLATION OF SHORE POWER COVERS>. REF B IS <SUPERVISING  
 AUTHORITY> REPORT OF SATISFACTORY INSTALLATION OF SHORE POWER COVERS>.  
 2. REF B REPORTED FAST CRUISE COMPLETED SATISFACTORILY AND SHIP IS READY TO PROCEED  
 ON ALPHA SEA TRIALS.  
 3. (SHIP NAME AND HULL NO.) IS AUTHORIZED TO DIVE UNDER DELIBERATE AND CONTROLLED  
 CONDITIONS TO (SPECIFIED) PERCENT TEST DEPTH IAW THE ALPHA SEA TRIALS AGENDA  
 CONCURRED IN BY REF C AND APPROVED BY REF D.  
 4. FOR OIC (SHIP NAME): RECOGNIZING LIMITED UNDERWAY OPERATIONAL EXPERIENCE LEVEL,  
 EXERCISE EXTREME CAUTION WHILE CONDUCTING ALL OPERATIONS AT MAX AUTH DEPTH.  
 ENSURE YOUR SHIP CONTROL PARTIES ARE WELL VERSED IN ALL ASPECTS OF SHIP'S  
 COMPENSATION AND EFFECTS OF SPEED AND TRIM ADJUSTMENTS, AS WELL AS PROCEDURES TO  
 PREVENT EXCEEDING MAX AUTH DEPTH.//  
 5. EXCEPT AS LISTED IN 6. BELOW, THIS DEPTH AUTHORIZATION IS AUTOMATICALLY  
 SUSPENDED UPON RE-ENTRY TO THE SUBSAFE CERTIFICATION BOUNDARY OR CASUALTY  
 AFFECTING RECOVERABILITY, SALVAGE, WATERTIGHT INTEGRITY, OR OPERATION OF SHIP'S  
 CONTROL SURFACES. THE SHIP SHALL NOT OPERATE AT A DEPTH GREATER THAN 200 FEET  
 UNTIL RE-ENTRY IS CERTIFIED TO TYCOM AND TYCOM GRANTS APPROVAL TO OPERATE TO  
 PREVIOUSLY AUTHORIZED DEPTH.//  
 6. RE-ENTRY CONTROL TO ADJUST FLOOD CONTROL HYDRAULIC VALVE TIMING WILL BE  
 CERTIFIED BY THE COMMANDING OFFICER, TYCOM CERTIFICATION IS NOT REQUIRED, AND A  
 SITREP WILL BE TRANSMITTED PRIOR TO RESUMPTION OF OPERATION BELOW 200 FEET.//  
 BT

**NOTE: ENSURE MESSAGES ARE IN ACCORDANCE WITH NTP-3 FORMAT AND CURRENT PLAD IS UTILIZED.**

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APPENDIX C

**Message Scenario and Sample Messages  
For BRAVO, CHARLIE and Combined Trials (Submarines)**



APPENDIX C<sub>1</sub>

SAMPLE SUPERVISING AUTHORITY TO SHIP PROGRAM MANAGER  
MESSAGE CONCERNING DESIGN TEST DEPTH DIVE READINESS

FM (SUPERVISING AUTHORITY)//  
TO COMNAVSEASYS COM WASHINGTON DC//  
INFO CNO WASHINGTON DC//  
<LANT/PAC>FLT<NORFOLK VA/PEARL HARBOR HI>//  
<DIRSSP WASHINGTON DC FOR SSBN>//  
COMSUB<LANT/PAC><NORFOLK VA/PEARL HARBOR>//  
COMSUBGRU <NO.>//  
COMSUBRON <NO.>//  
PRECOMUNIT <SHIP NAME>//  
BT  
UNCLAS //N09094//  
MSGID/GENADMIN/<SUPERVISING AUTHORITY>//  
SUBJ/(SUBS) COMPLETION OF <ALPHA<sup>(2)</sup>>SEA TRIALS OF PRECOMUNIT<SHIP NAME/HULL  
NO.>AND READINESS FOR <BRAVO<sup>(1)</sup>>SEA TRIALS//  
REF/A/MSG/<SUPERVISING AUTHORITY>/<DTG>/{JFMM B4, SSRM B.2.1}  
REF/B/LTR/NAVSEA/<SER NO./DATE>  
REF B IS SUBSAFE CERTIFICATION AUDIT REPORT.//  
REF/C/DOC/NAVSEA 0924-LP-062-0010//  
NARR/REF A IS <SUPERVISING AUTHORITY'S> MESSAGE TO SHIP PROGRAM MANAGER  
CONCERNING REPORT OF READINESS OF <SHIPNAME/HULL NO.> FOR FAST CRUISE AND ALPHA  
SEA TRIALS.REF B IS SUBSAFE CERTIFICATION AUDIT REPORT.  
REF C IS SUBSAFE REQUIREMENTS MANUAL.//  
RMKS/1. <SHIP NAME/HULL NO.> HAS SUCCESSFULLY COMPLETED <ALPHA<sup>(2)</sup>>SEA TRIALS.  
2. BY REF A, <SUPERVISING AUTHORITY> REPORTED ALL CAT I AUDIT RECOMMENDATIONS OF  
REF B SATISFACTORILY RESOLVED. THERE HAVE BEEN NO RECS OPENED AND NO SUBSAFE  
DEVIATIONS AND WAIVERS PROCESSED SINCE <ALPHA<sup>(2)</sup>> SEA TRIALS. <or, if RECs or Deviations and  
Waivers were processed since the start of <ALPHA<sup>(2)</sup>> Sea Trials, report ALL RECS OPENED SINCE THE START  
OF <ALPHA<sup>(2)</sup>> SEA TRIALS ARE CLOSED AND/OR ALL SUBSAFE DEVIATIONS AND WAIVERS  
PROCESSED SINCE <ALPHA<sup>(2)</sup>> SEA TRIALS ARE RESOLVED.> <if shore power is to remain connected until  
the start of Bravo or Subsequent Sea Trial add the following statement: .WITH THE EXCEPTION OF  
INSTALLATION OF SHORE POWER COVERS >.  
3. THERE ARE NO SUBSAFE DEVIATIONS AND WAIVERS WITH CONDITIONS WHICH HAVE NOT  
BEEN SATISFIED. <or list conditional Deviations and Waivers including Deviation number, Short Title and  
Expected Clearance Date/Key Event<sup>(3)</sup>.>  
4. THE STATUS OF REF B INCOMPLETE CAT 1A AUDIT RECOMMENDATIONS IS <SAME AS  
REPORTED BY REF A OR AS FOLLOWS:>.  
5. IAW REF C, <SUPERVISING AUTHORITY> REPORTS THAT THE SUBSAFE MATERIAL CONDITION OF  
<SHIP NAME/HULL NO.> IS SATISFACTORY FOR <BRAVO<sup>(1)</sup>> SEA TRIALS TO TEST DEPTH. OIC <SHIP  
NAME/HULL NO.> CONCURS.//  
BT

(1) UPCOMING TRIALS WHICH IS SUBJECT OF THIS CERTIFICATION (E.G., BRAVO SEA TRIALS,  
CHARLIE SEA TRIALS, INSURV TRIALS, ETC.).

(2) PREVIOUS TRIALS.

(3) Subject to Program Manager approval, cumulative lists of conditional Deviations and Waivers which are  
deemed too lengthy for messages may be communicated in a letter format, with the letter referenced by  
the applicable message.

**NOTE 1: LIST ALL RE-ENTRIES TO MATERIAL CERTIFICATION BOUNDARY AND ALL WORK ON SYSTEMS AFFECTING RECOVERABILITY, SALVAGE, WATERTIGHT INTEGRITY, OR OPERATION OF SHIP'S CONTROL SURFACES WITH CORRECTIVE ACTION SINCE RELEASE OF FAST CRUISE MESSAGE.**

**NOTE 2: ENSURE MESSAGES ARE IN ACCORDANCE WITH NTP-3 FORMAT AND CURRENT PLAD IS UTILIZED.**

APPENDIX C<sub>2</sub>

SAMPLE NAVSEA TO TYCOM MESSAGE CONCERNING  
DESIGN TEST DEPTH DIVE AUTHORIZATION

FM COMNAVSEASYSYSCOM WASHINGTON DC//  
TO COMSUB<FOR/PAC><NORFOLK VA/PEARL HARBOR>  
INFO CNO WASHINGTON DC//CINC<LANT/PAC>FLT<NORFOLK VA/PEARL HARBOR HI>  
<DIRSSP WASHINGTON DC FOR SSBN>  
COMSUBGRU <NO.>  
COMSUBBRON <NO.>  
PRECOMUNIT <SHIP NAME>//  
<SUPERVISING AUTHORITY>  
BT  
UNCLAS //N09094//  
MSGID/GENADMIN/COMNAVSEASYSYSCOM//  
SUBJ/(SUBS) SUBSAFE MATERIAL CONDITION READINESS AND DEPTH RECOMMENDATION FOR  
<BRAVO<sup>(NOTE 2)</sup>> SEA TRIALS OF <SHIP NAME>//  
REF/A/DOC/NAVSEA 0924-LP-062-0010//  
REF/B/MSG/(SUPERVISING AUTHORITY)/(DTG)//  
REF/C/LTR/COMSUB<FOR/PAC>/<SER NO./DATE>//  
REF/D/LTR/NAVSEA/<SER NO./ DATE>//  
NARR/REF A IS THE SUBSAFE REQUIREMENTS MANUAL. REF B IS <SUPERVISING AUTHORITY>  
REPORT OF <SHIP NAME/HULL NO.>COMPLETION OF <ALPHA<sup>(NOTE 1)</sup>> SEA TRIALS AND READINESS  
FOR <BRAVO<sup>(NOTE 2)</sup>> SEA TRIALS. REF C CONCURRED WITH THE <BRAVO<sup>(NOTE 2)</sup>> SEA TRIALS  
AGENDA FOR <SHIP NAMEHULL NO.>. REF D APPROVED THE <BRAVO<sup>(NOTE 2)</sup>> SEA TRIALS AGENDA  
FOR <SHIP NAME/HULL NO.>.///  
RMKS/1. IAW REF A AND AS REPORTED BY REF B, THE SUBSAFE MATERIAL CONDITION OF (SHIP  
NAME AND HULL NO.) IS CERTIFIED SATISFACTORY FOR SEA TRIALS TO TEST DEPTH. <if shore power is  
to remain connected until start of Bravo or subsequent Sea Trial add the following statement: FOLLOWING  
SUPERVISING AUTHORITY'S REPORT OF SATISFACTORY INSTALLATION OF SHORE POWER  
COVERS>.  
2. RECOMMEND AUTHORIZED DIVING UNDER DELIBERATE AND CONTROLLED CONDITIONS IAW  
THE <BRAVO<sup>(NOTE 2)</sup>> SEA TRIALS AGENDA CONCURRED IN BY REF C AND APPROVED BY REF D.  
3. REQUEST NAVSEA PMS<> BE INFO ADDEE FOR ALL SEA TRIAL SITREPS.//

**NOTE 1: PREVIOUS TRIALS.**

**NOTE 2 UPCOMING TRIALS WHICH ARE SUBJECT OF THIS CERTIFICATION (E.G., BRAVO  
SEA TRIALS, CHARLIE SEA TRIALS, INSURV TRIALS, ETC.).**

BT

**NOTE: ENSURE MESSAGES ARE IN ACCORDANCE WITH NTP-3 FORMAT AND CURRENT  
PLAD IS UTILIZED.**

APPENDIX C<sub>3</sub>SAMPLE TYCOM TO PRE-COMMISSIONING UNIT MESSAGE CONCERNING  
DESIGN TEST DEPTH DIVE AUTHORIZATION

FM COMSUB<LANT/PAC><NORFOLK VA/PEARL HARBOR HI>//  
 TO PRECOMUNIT <SHIP NAME>//  
 INFO CNO WASHINGTON DC//  
 COMNAVSEASYS COM WASHINGTON DC//  
 CINC<LANT/PAC>FLT<NORFOLK VA/PEARL HARBOR HI>//  
 <DIRSSP WASHINGTON DC FOR SSBN>//  
 COMSUBGRU <NO.>//  
 COMSUBRON <NO.>//  
 <SUPERVISING AUTHORITY>//  
 BT  
 UNCLAS //N09094//  
 MSGID/GENADMIN/COMSUB<LANT/PAC>//  
 SUBJ/(SUBS) PRECOMUNIT <SHIP NAME/HULL NO.> <BRAVO<sup>(1)</sup>> SEA TRIALS DEPTH AUTHORIZATION//  
 REF/A/MSG/COMNAVSEASYS COM/<DTG>// {JFMM C2, SSRM B.2.6}  
 <if shore power remained connected until start of Bravo or Subsequent Sea Trial add the following reference:  
 REF/B/MSG/<SUPERVISING AUTHORITY>/<DTG>//{B.2.5spc}.>  
 REF/B<or C>/DOC/COMSUB<LANT/PAC>NOTE C3120//  
 REF/C<or D>/LTR/COMSUB<LANT/PAC><SER NO./DATE>//  
 REF/D<or E>/LTR/NAVSEA/<SER NO./DATE>//  
 NARR/REF A IS NAVSEA REPORT OF <SHIP NAME/HULL NO.> SUBSAFE MATERIAL CONDITION  
 READINESS AND DEPTH RECOMMENDATION FOR <BRAVO<sup>(NOTE 1)</sup>> SEA TRIALS. <if shore power  
 remained connected until the start of Bravo or Subsequent Sea Trial add the following statement: REF B IS  
 <SUPERVISING AUTHORITY> REPORT OF SATISFACTORY INSTALLATION OF SHORE POWER  
 COVERS.> REF B<or C> CONTAINS COMSUB<LANT/PAC> AUTHORIZED SUBMARINE OPERATING  
 AND TEST DEPTHS. REF C<or D> CONCURRED IN THE <BRAVO<sup>(NOTE 1)</sup>> SEA TRIALS AGENDA FOR  
 <SHIP NAME/HULL NO.>. REF D<or E> APPROVED THE <BRAVO<sup>(NOTE 1)</sup>> SEA TRIALS AGENDA FOR  
 <SHIP NAME/HULL NO.>.///  
 RMKS/1. REF A CERTIFIED THAT THE SUBSAFE MATERIAL CONDITION OF <SHIP NAME/HULL NO.> IS  
 SATISFACTORY FOR <BRAVO<sup>(NOTE 1)</sup>> SEA TRIALS TO TEST DEPTH<if shore power remained connected  
 until start of Bravo or Subsequent Sea Trial add the following statement: „SUBJECT TO<SUPERVISING  
 AUTHORITY>REPORT OF SATISFACTORY INSTALLATION OF SHORE POWER COVERS. REF B IS  
 <SUPERVISING AUTHORITY>REPORT OF SATISFACTORY INSTALLATION OF SHORE POWER  
 COVERS>.///  
 2. SUBJECT TO THE RESTRICTIONS OF REFS A AND B<or C>, <SHIP NAME/HULL NO.> IS AUTHORIZED  
 TO DIVE UNDER DELIBERATE AND CONTROLLED CONDITIONS TO TEST DEPTH IAW THE <BRAVO<sup>(NOTE 1)</sup>>  
 SEA TRIALS AGENDA CONCURRED IN BY REF C,<or D> AND APPROVED BY REF D<or E>.///  
 3. EXCEPT AS LISTED IN 4. BELOW, THIS DEPTH AUTHORIZATION IS AUTOMATICALLY  
 SUSPENDED UPON RE- ENTRY TO THE SUBSAFE CERTIFICATION BOUNDARY OR CASUALTY  
 AFFECTING RECOVERABILITY, SALVAGE, WATERTIGHT INTEGRITY, OR OPERATION OF SHIP'S  
 CONTROL SURFACES. THE SHIP SHALL NOT OPERATE AT A DEPTH GREATER THAN 200 FEET  
 UNTIL RE- ENTRY IS CERTIFIED TO TYCOM AND TYCOM GRANTS APPROVAL TO OPERATE TO  
 PREVIOUSLY AUTHORIZED DEPTH.//

4. RE-ENTRY CONTROL TO ADJUST FLOOD CONTROL HYDRAULIC VALVE TIMING WILL BE CERTIFIED BY THE COMMANDING OFFICER, TYCOM CERTIFICATION IS NOT REQUIRED, AND A SITREP WILL BE TRANSMITTED PRIOR TO RESUMPTION OF OPERATION BELOW 200 FEET.//  
BT

**Superscript:**

**NOTE 1: UPCOMING TRIALS WHICH IS SUBJECT OF THIS CERTIFICATION (E.G., BRAVO SEA TRIALS, CHARLIE SEA TRIALS, INSURV TRIALS, ETC.).**

**NOTE 2: ENSURE MESSAGES ARE IN ACCORDANCE WITH NTP-3 FORMAT AND CURRENT PLAD IS UTILIZED.**

**APPENDIX C<sub>spc</sub>****SUPERVISING AUTHORITY INSTALLATION OF SHORE POWER COVERS FOR BRAVO AND  
SUBSEQUENT SEA TRIALS SAMPLE MESSAGE**

FM <SUPERVISING AUTHORITY>//  
 TO COMSUB<LANT/PAC><NORFOLK VA/PEARL HARBOR>//  
 COMNAVSEASYS COM WASHINGTON DC//  
 INFO CNO WASHINGTON DC//  
 <LANT/PAC>FLT<NORFOLK VA/PEARL HARBOR HI>//  
 <DIRSSP WASHINGTON DC FOR SSBN>//  
 COMSUBGRU <NO.>//  
 COMSUBRON <NO.>//  
 PRECOMUNIT <SHIP NAME>//  
 BT  
 UNCLAS //N09094//  
 MSGID/GENADMIN/<SUPERVISING AUTHORITY>//  
 SUBJ/(SUBS) COMPLETION OF <ALPHA<sup>(2)</sup>> SEA TRIALS OF PRECOMUNIT <SHIP NAME/HULL NO.> AND  
 READINESS FOR <BRAVO<sup>(1)</sup>> SEA TRIALS//  
 REF/A/MSG/<SUPERVISING AUTHORITY>/<DTG>// {JFMM C1, SSRM B.2.5}  
 NARR/REF A IS <SUPERVISING AUTHORITY'S> REPORT OF READINESS OF <SHIP NAME/HULL NO.>FOR  
 <BRAVO<sup>(1)</sup>> SEA TRIALS.//  
 RMKS/1. REF A, <SUPERVISING AUTHORITY> REPORTED READINESS FOR <BRAVO<sup>(1)</sup>> SEA TRIALS WITH  
 THE EXCEPTION OF INSTALLATION OF SHORE POWER COVERS.  
 2. <SUPERVISING AUTHORITY> REPORTS THAT SHORE POWER COVERS FOR <SHIP/NAME/HULL  
 NO.> HAVE BEEN SATISFACTORILY INSTALLED.//  
 BT

<sup>(1)</sup> **UPCOMING TRIALS WHICH IS SUBJECT OF THIS CERTIFICATION (E.G., BRAVO SEA TRIALS,  
CHARLIE SEA TRIALS, INSURV TRIALS, ETC.).**

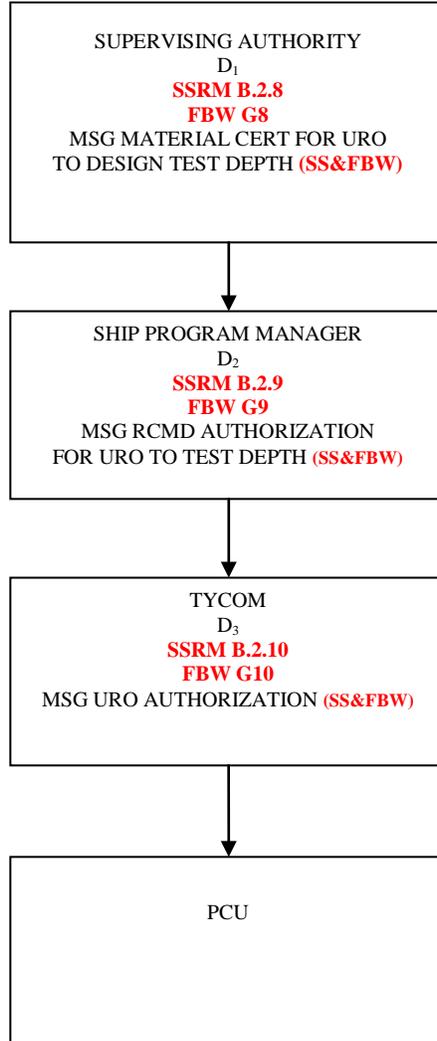
<sup>(2)</sup> **PREVIOUS TRIALS.**

**NOTE: ENSURE MESSAGES ARE IN ACCORDANCE WITH NTP-3 FORMAT AND CURRENT PLAD  
IS UTILIZED**

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APPENDIX D

**Message Scenario and Sample Messages  
For URO Certification (Submarines)**



APPENDIX D<sub>1</sub>

SAMPLE SUPERVISING AUTHORITY TO  
SHIP PROGRAM MANAGER MESSAGE CONCERNING URO

FM <SUPERVISING AUTHORITY>//  
TO COMNAVSEASYS COM WASHINGTON DC//  
INFO CNO WASHINGTON DC//  
<LANT/PAC>FLT<NORFOLK VA/PEARL HARBOR HI>//  
<DIRSSP WASHINGTON DC FOR SSBN>//  
COMSUB<LANT/PAC><NORFOLK VA/PEARL HARBOR HI>//  
COMSUBGRU <NO.>//  
COMSUBRON <NO.>//  
PRECOMUNIT <SHIP NAME>//  
BT  
UNCLAS //N09094//  
MSGID/GENADMIN/<SUPERVISING AUTHORITY>//  
SUBJ/(SUBS) UNRESTRICTED OPERATIONS FOR <SHIP NAME/HULL NO.>//  
REF/A/DOC/NAVSEA 0924-LP-062-0010//  
REF/B/MSG/<SUPERVISING AUTHORITY>/<DTG>/{JFMM B4, SSRM B.2.1}//  
REF/C/LTR/NAVSEA/<SER NO./DATE>/(REFERENCE ADDITIONAL AUDIT REPORTS AS REQUIRED)//  
NARR/REF A IS THE SUBSAFE REQUIREMENTS MANUAL. REF B IS <SUPERVISING AUTHORITY>  
REPORT OF <SHIP NAME/HULL NO.> READINESS FOR FAST CRUISE AND ALPHA SEA TRIALS. REF C  
IS THE NAVSEA SUBSAFE CERTIFICATION AUDIT REPORT FOR <SHIP NAME/HULL NO.>.  
RMKS/1. IAW REF A, <SUPERVISING AUTHORITY> REPORTS THE SATISFACTORY COMPLETION OF  
ALL SEA TRIALS, COMPLETION OF CONTROLLED DIVES AND THE RESOLUTION OF MANDATORY  
SEA TRIAL DEFICIENCIES, <AND SATISFACTORY RESOLUTION OF ANY SHIP'S FORCE RECS.>//  
2. REF B REPORTED SATISFACTORY RESOLUTION OF ALL CAT I AUDIT RECOMMENDATIONS OF  
REF C. IAW REF A, <SUPERVISING AUTHORITY> REPORTS THAT ALL CAT IA AUDIT RECOMMENDATIONS  
OF REF C HAVE BEEN SATISFACTORILY RESOLVED. THERE IS NO DEFERRED SUBSAFE WORK  
AND THERE ARE NO SUBSAFE DEVIATIONS AND WAIVERS WITH CONDITIONS WHICH HAVE NOT  
BEEN SATISFIED. <or list deferred SUBSAFE work and/or conditional SUBSAFE Deviations and Waivers  
including Deviation Number, Short Title and Expected Clearance Date/Key Event<sup>(1)</sup>>.  
3. THE STATUS OF INCOMPLETE CAT II AUDIT RECOMMENDATIONS OF REF C IS AS FOLLOWS:  
A.  
B.  
4. IAW REF A, <SUPERVISING AUTHORITY> REPORTS THE SUBSAFE MATERIAL CONDITION OF <SHIP  
NAME/HULL NO.> IS SATISFACTORY FOR UNRESTRICTED OPERATIONS TO TEST DEPTH.  
BT

<sup>(1)</sup> Subject to Program Manager approval, cumulative lists of conditional Deviations and Waivers which are deemed too lengthy for messages may be communicated in a letter format, with the letter referenced by the applicable message.

**NOTE 1:** LIST ALL RE-ENTRIES TO MATERIAL CERTIFICATION BOUNDARY AND ALL WORK ON SYSTEMS AFFECTING RECOVERABILITY, SALVAGE, WATERTIGHT INTEGRITY, OR OPERATION OF SHIP'S CONTROL SURFACES WITH CORRECTIVE ACTION SINCE RELEASE OF FAST CRUISE MESSAGE.

**NOTE 2:** ENSURE MESSAGES ARE IN ACCORDANCE WITH NTP-3 FORMAT AND CURRENT PLAD IS UTILIZED.

APPENDIX D<sub>2</sub>SAMPLE NAVSEA TO TYCOM MESSAGE  
CONCERNING URO

FM COMNAVSEASYS COM WASHINGTON DC//  
 TO COMSUB<LANT/PAC><NORFOLK VA/PEARL HARBOR HI>//  
 INFO CNO WASHINGTON DC//  
 <LANT/PAC>FLT<NORFOLK VA/PEARL HARBOR HI>//  
 <DIRSSP WASHINGTON DC FOR SSBN>//  
 COMSUBGRU <NO.>//  
 COMSUBRON <NO.>//  
 PRECOMUNIT <SHIP NAME>//  
 <SUPERVISING AUTHORITY>//  
 BT  
 UNCLAS //N09094//  
 MSGID/GENADMIN/COMNAVSEASYS COM//  
 SUBJ/(SUBS) RECOMMENDATION FOR UNRESTRICTED OPERATIONS FOR <SHIP NAME AND HULL NO.>//  
 REF/A/DOC/NAVSEA 0924-LP-062-0010//  
 REF/B/MSG/<SUPERVISING AUTHORITY>/<DTG>// {JFMM D1, SSRM B.2.8}  
 REF/C/DOC/OPNAVINST 9110.1//  
 NARR/REF A IS THE SUBSAFE REQUIREMENTS MANUAL. REF B IS <SUPERVISING AUTHORITY>  
 REPORT OF <SHIP NAME/HULL NO.> SUBSAFE MATERIAL CONDITION READINESS FOR URO. REF C  
 CONTAINS POLICY FOR SUBMARINE TEST AND OPERATING DEPTHS.//  
 RMKS/1. IAW REF A, REF B REPORTED THE SUBSAFE MATERIAL CONDITION READINESS OF <SHIP  
 NAME AND HULL NO.> IS SATISFACTORY AND NO OUTSTANDING DEPTH LIMITING DISCREPANCIES  
 EXIST.  
 2. REF B ALSO REPORTED SATISFACTORY COMPLETION OF ALL SEA TRIALS, COMPLETION OF  
 CONTROLLED DIVES AND RESOLUTION OF MANDATORY SEA TRIAL DEFICIENCIES.  
 3. IAW REFS A AND C, NAVSEA CERTIFIES THAT THE SUBSAFE MATERIAL CONDITION OF <SHIP  
 NAME/HULL NO.> IS SATISFACTORY AND RECOMMENDS THAT THE SHIP BE AUTHORIZED  
 UNRESTRICTED OPERATIONS TO TEST DEPTH SUBJECT TO COMPLIANCE WITH REF A <WITH THE  
 FOLLOWING RESTRICTIONS: list any restrictions which may be applicable>.  
 4. URO MRC PERIODICITIES REQUIRED BY REF A, SHALL COMMENCE ON <DATE>//  
 BT  
**NOTE: ENSURE MESSAGES ARE IN ACCORDANCE WITH NTP-3 FORMAT AND CURRENT  
 PLAD IS UTILIZED.**

APPENDIX D<sub>3</sub>

SAMPLE TYCOM TO PRE-COMMISSIONING UNIT MESSAGE  
CONCERNING URO

FM COMSUB<LANT/PAC><NORFOLK VA/PEARL HARBOR HI>//  
TO PRECOMUNIT <SHIP NAME>//  
INFO CNO WASHINGTON DC//  
COMNAVSEASYS COM WASHINGTON DC//  
CINC<LANT/PAC>FLT<NORFOLK VA/PEARL HARBOR HI>//  
<DIRSSP WASHINGTON DC FOR SSBN>//  
COMSUBGRU <NO.>//  
COMSUBRON <NO.>//  
<SUPERVISING AUTHORITY>//  
BT  
UNCLAS //N09094//  
MSG/GENADMIN/COMSUB<LANT/PAC>//  
SUBJ/(SUBS) UNRESTRICTED OPERATIONS OF PRECOMUNIT <SHIP NAME/HULL NO.>//  
REF/A/MSG/NAVSEA/<DTG>// {JFMM D2, SSRM B.2.9}  
REF/B/DOC/NAVSEA 0924-LP-062-0010//  
REF/C/DOC/COMSUB<LANT/PAC>NOTE C3120//  
NARR/REF A IS NAVSEA URO MSG FOR <SHIP NAME/HULL NO.>. REF B IS THE SUBSAFE  
REQUIREMENTS MANUAL. REF C CONTAINS COMSUB<LANT/PAC> AUTHORIZED SUBMARINE  
OPERATING AND TEST DEPTHS.//  
RMKS/1. REF A CERTIFIED THE SUBSAFE MATERIAL CONDITION OF <SHIP NAME/HULL NO.> IS  
SATISFACTORY AND RECOMMENDED THAT <SHIP NAME/HULL NO.> BE AUTHORIZED TO CONDUCT  
UNRESTRICTED OPERATIONS TO TEST DEPTH.  
2. <SHIP NAME/HULL NO.> IS AUTHORIZED TO CONDUCT OPERATIONS TO TEST DEPTH SUBJECT TO  
THE FOLLOWING RESTRICTIONS: <list restrictions if they exist or state "NONE">  
3. CONTINUED CERTIFICATION FOR OPERATIONS TO TEST DEPTH IS SUBJECT TO COMPLIANCE  
WITH REF B. URO MRC PERIODICITIES COMMENCE ON <DATE>.  
4. THIS MSG REMAINS IN EFFECT UNTIL INCLUDED IN A FUTURE REVISION OF REF C.//  
BT

NOTE: ENSURE MESSAGES ARE IN ACCORDANCE WITH NTP-3 FORMAT AND CURRENT  
PLAD IS UTILIZED.

Systems Command (COMNAVSEASYSCOM) when SRDRS is no longer required due to completion of the events necessitating the alert status or due to delays in completing Sea Trials.

- (d) The cognizant shipyard activity and Commander Submarine Force Atlantic/Commander Submarine Force Pacific shall notify COMNAVSEASYSCOM and Commander, Submarine Development Squadron Five 30 Days prior to the SRDRS need date. All changes in the requested modified alert date will be immediately identified to COMNAVSEASYSCOM and Commander, Submarine Development Squadron Five. Sample messages in Volume II, Part I, chapter 3, Appendices BM and CP of this manual.
- (e) Commander Submarine Force Atlantic/Commander Submarine Force Pacific shall identify the SRDRS support ship in the tasking message. The TYCOM shall ensure Airport/Seaport verification checks are current or accomplished to support SRDRS activation.
- (f) **The SRDRS is not required to be placed in a modified alert status for those Sea Trials requiring an escort solely for the accomplishment of an EMBT blow from depths greater than 400 feet.**

- d. Reporting Criteria. The Supervising Authority is responsible for reporting the satisfactory completion of Alpha Sea Trial to the Ship Program Manager. Volume I, Chapter 2, Appendix C of this manual refers.

4.4.4 Bravo Sea Trial (Submarines only). Bravo Sea Trial is generally the submarine's second underway period and first dive to Test Depth.

**NOTE: THE FIRST SHIP OF EACH CLASS NORMALLY CONDUCTS ITS FIRST DIVE TO TEST DEPTH DURING ALPHA TRIAL.**

- a. Testing.
  - (1) The tests and evolutions to be carried out following the initial tightness dive and prior to the deep dive, during the deep dive, submerged following the deep dive, and on the surface following the deep dive, are identified with Appendix F of this chapter.
  - (2) Shutter Stall Speed. Run ahead at maximum speed allowed by SOE. Operate torpedo tube shutters and ejection pump shutters. If shutters do not open, gradually reduce speed until shutters open. This establishes "stall speed" for each shutter.
- b. Restrictions. As specified in paragraph 4.4.3.b of this chapter.
- c. Escort. As specified in paragraph 4.4.3.c of this chapter.
- d. Reporting Criteria. With the exception of reporting the deficiencies during the trial, reporting of the completion of Bravo Trial is not required. Daily SITREPs to the Supervising Authority and the Supervising Authority's message concerning the completion of all trials (Volume I, Chapter 2, Appendix D of this manual refers) satisfies the reporting requirements.

4.4.5 Charlie Sea Trial (Submarines only). Charlie Sea Trials are conducted prior to CT. Bravo Trial retest items are also included in this trial. The standard restrictions and escort requirements as specified per paragraphs 4.4.3.b and 4.4.3.c of this chapter apply.

4.4.6 Acoustic Trials (Platform and Radiated) (Submarines only). New construction acoustic trials, performed by the shipbuilder, are accomplished to determine, under various conditions of operation, the radiated and platform acoustic signatures of the submarine, the controlling noise offenders including those which are speed dependent, and whether or not the submarine meets its underway noise objectives. Proper operation of systems/components and the use of proper personnel quieting techniques is vital for successful acoustic measurements. Acoustic trials performed by Naval Surface Warfare Center (NSWC) are used to establish the ship's baseline signature for normal operating conditions by performing independent measurements under preset conditions of speed, depth, aspect angle, and machinery line up. It is imperative that Ship's Force understand that this trial will determine its future operating conditions during various "patrol quiet" conditions.

4.4.7 Shock Trials. Shock Trials are designed to test the survivability characteristics of a ship under deliberate and controlled conditions. Normally scheduled for the first ship of a class just before Post Shakedown Availability (PSA); Shock Trials satisfy Congressionally mandated Live Fire Test and Evaluation requirements. Ship Program Managers are responsible for the development of a management plan for the conduct of Shock Trials.

4.4.8 Acceptance Trials/Combined Trials/Final Contract Trials/Guarantee Material Inspection.

- a. Reference (d) tasks the INSURV with conducting an independent verification of the readiness of a newly constructed ship prior to its acceptance into Naval Service. Reference (k) states that the procedures for conducting trials and inspections shall be specified by the President, INSURV. References (f) and (h) provide those procedures for submarines and surface ships respectively. References (f) and (h) are augmented by reference (a) in their application to nuclear powered ships. References (l) and (m) provide detailed information concerning the documentation of deficiencies. In addition, each Supervising Authority, TYCOM, the Naval Ships' Technical Manual (NSTM) and reference (n) all provide additional information concerning AT/CT/GMI/Final Contract Trials (FCT). TYCOM directives are identified in the applicable TYCOM 5215 Notice.
- b. Prior to the acceptance and delivery of a new ship, all machinery, electronics and weapons systems installed shall be subjected to ATs to determine that the installations are capable of meeting performance specifications. Depending upon the platform type these trials are referred to as either ATs, or CTs. This independent verification of the ship's readiness for acceptance and recommendation for fleet introduction, as specified in reference (d), is the responsibility of the President, INSURV.
- c. These trials are generally two part evolutions. There is an underway portion during which time the INSURV observes the performance of the ship and all equipment and systems. Upon completion of the underway portion, trial board designated equipment and associated components are disassembled for post trial examination (the open and inspect evolution). References (f) and (h) provide amplifying information concerning this issue.
- d. CTs, usually the norm for submarines, are a combination of ATs and FCTs. The AT for non-submarine platforms results in a conditional acceptance primarily based on the fact that the ship still requires fitting out. Submarines go through the fitting out period during the construction phase which produces a completed ready for sea vessel at delivery. The standard restrictions and escort requirements as specified per paragraphs 4.4.3.b and 4.4.3.c of this chapter apply.
- e. FCTs are conducted after the ship has been fully equipped, armed, made complete and ready for service. These trials are normally held just prior to PSA and prior to the end of the guarantee period. Their objective is to determine if there are any defects, failures or deterioration, other than that due to normal wear and tear, directly related to shipbuilder fault which have not been corrected or resolved. The scope of FCTs is essentially the same as AT.
- f. A GMI is a material inspection, conducted on submarines prior to PSA by an INSURV in accordance with reference (f).

- g. INSURV reports from previous ships as held by the Supervising Authority provide familiarity with problems and corrective actions already taken. In addition, these reports provide a baseline for conducting shipboard inspections and generating inputs for the PCO's monthly progress reports.

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