

**ORAL EXAMINATION RECORD**

NAME [ (b) (3) / (b) (6) ] RANK/RAT. [ ] DATE 28 Mar 00

PURPOSE:	QUALIFICATION <u>X</u>	WATCHSTATION/SYSTEM:	EXAMINED BY:
	REQUALIFICATION <u>   </u>	<u>Qmow</u>	CO <u>   </u> XO <u>   </u>
	PROFICIENCY <u>   </u>	<u>   </u>	DEPT. HD. <u>KS</u>
	OPO DESIGNATION <u>   </u>	<u>   </u>	DIV. OFF. <u>   </u>
	SAFEGUARDS <u>   </u>	<u>   </u>	OOD/EOOW <u>   </u>
	OTHER <u>   </u>	<u>   </u>	LPO <u>   </u>

**AREA COVERED:**

Fix sources ↑ Accuracy ↓	Chart Preparation ↑
Shoal water ↑ Restricted waters ↓	Watch routine ↑
Hwd DR ↑ Normal / Cyclic Routine ↑	Piloting ↑
Fix Expansion ↑ Mode 2 Fix expansion →	Cycle Checks ↑
Anchoring ↑	Voyage Planning Pubs ↑
Reset DR ↑	Out of Area Actions ↑
Mo Bords ↑	Opstress ↑
Overlaid Charts ↑	Offsets, VRE ↑
Subnotes ↓	Deck Logs ↑
Red/Yellow/Min Ex Sounding ↑	Redr Navigation methods ↑
Rules of Road →	
Running Fix ↑	
Bottom Contour Map	

**WEAK AREAS:**

Relative accuracy of fixes  
 Restricted waters  
 Subnotes

**ADDITIONAL ACTION REQUIRED:**

Look-ups RESULT: (Interviewer's Initial)  
    SAT  
    KS SAT WITH WEAK AREAS DISCUSSION REQUIRED  
    UNSAT

**ADDITIONAL ACTION OR WEAK AREA DISCUSSION COMPLETE**

<u>KS</u> SAT	<u>   </u> UNSAT	<u>   </u> N/A	<u>[Signature]</u> 3/28/00
RE-INTERVIEWER SIGNATURE	DATE	APPROVED/CERTIFIED/NOTED	DATE
<u>[Signature]</u>	<u>3/28/00</u>	<u>[Signature]</u>	<u>3/28/00</u>

**ORAL EXAMINATION RECORD**

NAME L(b)(3)/(b)(6)

RANK/RATL                     

DATE 28 MAR 2000

PURPOSE: QUALIFICATION X  
 REQUALIFICATION \_\_\_\_\_  
 PROFICIENCY \_\_\_\_\_  
 QPO DESIGNATION \_\_\_\_\_  
 SAFEGUARDS \_\_\_\_\_  
 OTHER \_\_\_\_\_

WATCHSTATION/SYSTEM:  
QMCW

EXAMINED BY:  
 CO  XO \_\_\_\_\_  
 DEPT. HD. \_\_\_\_\_  
 DIV. OFF. \_\_\_\_\_  
 OOD/EOOW \_\_\_\_\_  
 LPO \_\_\_\_\_

AREA COVERED:

- |  |                                 |
|--|---------------------------------|
| 1) (1) SOUNDING REQUIREMENTS                     | 1) (13) MONITOR HANDS           |
| 1) (2) SUBMERGING SHIP                           | 1) (14) OPERATIONS / 6/2/00     |
| 1) (3) FIX SOURCES                               | 1) (15) ACTIONS FOR OUT OF AREA |
| 1) (4) AZIMUTH                                   | 1) (16) CHANGING SEPAR 2000     |
| 1) (5) SLIDE BAR                                 | 1) (17) OPS/CO NOTES            |
| 1) (6) ADVANCE AND TRANSFER                      | 1) (18) SUBNOTES                |
| 1) (7) ACTIONS FOR NAV AID<br>THAT YOU DON'T SEE | 1) (19) RESISTING HAND DR       |
| 1) (8) REDUCED VISIBILITY                        | 1) (20) SWIMS CIRCUIT           |
| 1) (9) LOSS OF TRU BARNG.                        | 1) (21) MONITOR FIX 1           |
| 1) (10) LOSS OF GPS FIX                          |                                 |
| 1) (11) BOTTOM CONTROL FIX                       |                                 |
| 1) (12) MAN OVERBOARD                            |                                 |

WEAK AREAS:

- 1) BOWITCH 2) ADVANCE AND TRANSFER WRT SHIP SPEED. 3) ACTIONS FOR FAILURE TO SIGHT EXPECTED NAV AID. 4) MONITOR HANDS & ACTIONS 5) SUBNOTES. 6) FIX EXPANSION MESSAGES. 7) BOTTOM CONTROL FIX

ADDITIONAL ACTION REQUIRED:

RESULT: (Interviewer's Initial)  
 \_\_\_\_\_ SAT  
 \_\_\_\_\_  SAT WITH WEAK AREAS DISCUSSION REQUIRED  
 \_\_\_\_\_ UNSAT

ADDITIONAL ACTION OR WEAK AREA DISCUSSION COMPLETE

SAT \_\_\_\_\_ UNSAT \_\_\_\_\_ N/A \_\_\_\_\_  
 RE-INTERVIEWER SIGNATURE [Signature] DATE 3/28/00

INTERVIEWER SIGNATURE [Signature] DATE 3/28/00  
 APPROVED/CERTIFIED/NOTED [Signature] DATE 3/28/00

28 JUL 1998

USS \_\_\_\_\_ NAVOPSDEPTINST 5400. \_\_\_\_\_

**4305 ASSISTANT NAVIGATOR QUALIFICATION CARD**

NAME [ (b)(3) / (b)(6) ] RATE J  
DATE STARTED 18 Dec 00 DATE DUE 31 Jan 01

**1. Prerequisites.** Complete the following:

- a. Piloting/Restricted Water Navigation A-061-0020
- b. Voyage Planning/Open Ocean Navigation A-061-0021
- c. Quartermaster of the Watch Qualification Card
- d. Navigation Watch Qualification Card (SSN Only)
- e. Qualified Contact Coordinator

DATE 12/19/00 NAVIGATOR [ (b)(3) / (b)(6) ]

**2. Knowledge Requirements.** Demonstrate thorough knowledge of the following:

	<u>DATE</u>	<u>SIGNATURE</u>
a. Navigation/Operations Department Organization Manual and the Navigation and Piloting Bill	_____	<u>Note 1</u> NAVIGATOR
b. COMSUBLANT/COMSUBPAC Lessons Learned (Submarine Driving and Navigation Sections), CSL/CSP Collision and Grounding Presentation	_____	<u>Note 1</u> NAVIGATOR

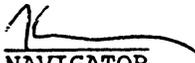
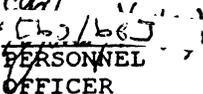
**3. Practical Factors**

- a. Plan a port entry for your submarine into a port, other than home port, selected by your Navigator. This plan must include all charts, tracks, calculation of tides and currents, NAV-AIDS, lights, turning and danger bearings, emergency anchorage, reduced visibility (fog or darkness) considerations, radar navigation, pilotage requirements, available and authorized moorings for nuclear powered ships, and harbor regulations. This plan will be briefed to the ship's Navigator. \_\_\_\_\_ Note 1  
ANAV
- b. Plan a voyage for your submarine of at least 36 hours duration using a SUBNOTE/MOVORD selected by the Navigator. This plan must include area assignment, MHN considerations, transit depth, all charts and tracks, RED/YELLOW soundings, safety requirements, and action required if out of assigned areas for any reason. This plan will be briefed to the ship's Navigator. \_\_\_\_\_ Note 1  
NAVIGATOR

Note 1: Deleted based on previous qualifications. See attached deletion letter approved by Co. JF

03 MAR 1997

USS \_\_\_\_\_ NAVOPSDEPTINST 5400. \_\_\_\_\_

- |  | <u>DATE</u> | <u>SIGNATURE</u>   |
|--|-------------|--|
| c. Audit the chart maintenance in effect on your ship.<br>Make a written report of conditions to the Navigator.  | 12/16/00    | <br>NAVIGATOR   |
| <b>4. <u>Watch Requirements.</u></b>   |             |  |
| a. Act as Assistant Navigator under instruction for a minimum period of <sup>two</sup> <del>five</del> days at sea. Demonstrate proficiency in practical navigation. | 12/20/00    | <br>NAVIGATOR   |
| b. Act as Assistant Navigator in a piloting situation and be evaluated by the Executive Officer or the Navigator.  | 12/19/00    | <br>XO/NAVIGATOR  |
| <b>5. <u>Examination:</u></b>  |             |  |
| a. Recommended for Qualification as Assistant Navigator.   | 12/19/00    | <br>XO/NAVIGATOR <span style="float: right;">NAV</span> |
| b. Certified as Assistant Navigator.   | 1/2/01      | <br>CO  |
| <b>6. <u>Administration.</u></b>   |             |  |
| a. Entry made in the Ship's Qualification Notebook.  | _____       | <br>CO   |
| b. Entry made in service record (page 4).  | 13 Jan 01   | <br>PERSONNEL OFFICER                                 |

123



DEPARTMENT OF THE NAVY

COMMANDING OFFICER  
USS GREENEVILLE (SSN-772)  
FPO AP 96666-2428

1552  
Ser SSN772/496  
18 DEC 2000

From: Commanding Officer, USS GREENEVILLE (SSN 772)

To: (B)(3) / (B)(6) J

Subj: QUALIFICATION REQUIREMENT WAIVER

1. Based upon previous qualification as Quartermaster of the Watch, Contact Coordinator and Assistant Navigator, the below listed qualifications are modified to delete the sections shown:

a. Quartermaster of the Watch.

- (1) Prerequisites - All
- (2) Knowledge Requirements - All
- (3) Practical Factors - All
- (4) Under Instruction Watches - All
- (5) Examination

b. Contact Coordinator.

- (1) Knowledge Requirements - All
- (2) Practical Factors - All
- (3) Examination

c. Assistant Navigator.

- (1) Prerequisites - d
- (2) Knowledge Requirements - All
- (3) Practical Factors - A, B, C

2. Contact the Navigator for further information.

S. D. WADDLE



DEPARTMENT OF THE NAVY  
COMMANDING OFFICER  
USS GREENEVILLE (SSN-772)  
FPO AP 96666-2428

1500  
Ser SSN772/488

18 DEC 2000

From: Commanding Officer, USS GREENEVILLE (SSN 772)

To: [ (b)(1) / (b)(6) ]

Subj: DESIGNATION AS NAVIGATION SUPERVISOR

Ref: (a) COMSUBLANT/COMSUBPACINST 5400.29 (NODORM)

1. Per reference (a), you are hereby appointed as Navigation Supervisor onboard GREENEVILLE.

S. D. WADDLE

Copy to:

CO

XO

NAV

Service Record

135

CONTACT COORDINATOR QUALIFICATION CARD

Name: (b)(3)/(b)(6) J Reporting Date: 11/15/00  
Assigned Completion Date: 1/30/01

- NOTE: (1) ALL SIGNATURES REQUIRED FOR COMPLETION OF THIS QUALIFICATION CARD MUST BE SIGNED OFF BY A QUALIFIED CONTACT COORDINATOR, UNLESS DESIGNATED OTHERWISE.
- (2) GRADUATION FROM THE SUBMARINE OFFICER BASIC COURSE SATISFIES REQUIREMENTS WITH AN APPLICABILITY CODE OF "S", AND SHALL BE SIGNED OFF ON THAT BASIS BY THE PARENT COMMAND UPON REPORTING.

A. PREREQUISITES

1. Be an Officer or senior Petty Officer
2. Have normal color vision
3. Be a graduate of the Contact Coordinator Course F-061-0040 or the Submarine Officer Basic Course. | A

B. KNOWLEDGE REQUIREMENTS

1. Rules of the Road

~~SECRET~~ J (S)  
Navigator | R

Ref: 5

- a. Pass a comprehensive Rules of the Road exam (inland and international). Grade \_\_\_\_\_. (SOBT Rules of the Nautical Road product may be used to generate this examination.) | R

2. Contact Analysis and Relative Motion

Ref: 73, 74, 116, 117

a. Basic Line of Sight Diagram ~~SECRET~~ J (S)

- (1) Be able to draw a basic line of sight diagram and label the following:

(a) Own ship and contact parameters of speed, course, contact bearing, and range

(b) Lead, lag and overlead angle

- (2) Demonstrate the ability to infer range and aspect from changes.

2. sided

3. Maneuvering Board

\_\_\_\_\_ (S)

Ref: 59, 81

a. Discuss the maneuvering board techniques used by the Contact Coordinator in the following areas:

- (1) Tracking (including contact course, speed and CPA)
- (2) Change of station
- (3) Passing
- (4) Collision avoidance
- (5) Limiting range

4. Periscope Operation

\_\_\_\_\_ (S)

Ref: 29, 30, 54, 73

- a. Discuss operation of each periscope on board.
- b. Discuss the periscope techniques used by the Contact Coordinator in obtaining contact information visually during day and night-time conditions.
- c. Explain the procedure for obtaining both telemeter and stadimeter (if applicable) ranges. Discuss any assumptions used for an initially gained contact and how corrections to the initial data are made with updated information.

5. Use of Radar

\_\_\_\_\_ (S)

Ref: 3, 4, 30, 37, 59, 66

- a. Discuss the radar equipment used on board. Include a basic working block diagram, power supplies, sensor/processor interfaces, indications, maximum/minimum ranges and resolving capability.
- b. Discuss electronic emission control as it relates to radar operations.
- c. Discuss the following principles and techniques of the radar:
  - (1) Fundamentals of radar
  - (2) Radar Operation

138

8. Responsibilities of Supporting Watchstanders

REF ID: A67712 (S)

Ref: 2, 3, 54, 59, 76, 83

- a. Be familiar with the duties and responsibilities (with respect to the Contact Coordinator) of the: Radar Operator, Radar Maneuvering Board Plotter, ESM Operator, Sonar Supervisor, Contact Recorder, CEP Plotter.

9. Collisions and Groundings

REF ID: A67712  
NAVIGATOR (S)

Ref: 140

- a. Be familiar with lessons learned from COMSUBLANT/COMSUBPAC's Collisions and Groundings brief. Discusses in detail at least two collisions and all the contributing factors involved which led to the incident.

C. PRACTICAL FACTOR REQUIREMENTS

- 1. Demonstrate proficiency in using Maneuvering board techniques.

REF ID: A67712 (S)

- a. Use the maneuvering board to demonstrate contact tracking, change of station, collision avoidance and limiting range. Determine course to maximize CPA.
- b. Demonstrate the use of maneuvering board to determine contact course, speed and CPA before and after own ship's maneuver.

- 2. Raise, lower and operate both periscopes and periscope fairings.

REF ID: A67712

- 3. Obtain a visual contact's range using the telemeter and (if applicable) stadimeter

REF ID: A67712

- 4. Demonstrate proficiency in radar contact tracking, analysis, evaluation, and reporting.

REF ID: A67712

- 5. Coordinate the time sharing of the radar between navigation fixes and contact plotting, including selection of proper range scales for each function.

REF ID: A67712

A

R

140

15. Stand a minimum of two watches under instruction as Contact Coordinator, one of which shall be during the Maneuvering Watch.

R

(1) \_\_\_\_\_ *TS*  
(2) \_\_\_\_\_ *TS*

D. EXAMINATION AND RECOMMENDATION

1. Completed oral and written examinations and is recommended for qualification as contact coordinator. Examination results (4.0 scale): Written \_\_\_\_\_. Final Exam must include homeport unique Rules of the Road questions.

R

\_\_\_\_\_  
Operations Officer

E. QUALIFICATION

1. Completed oral examination and is certified as qualified Contact Coordinator.

*Beul*  
\_\_\_\_\_  
Executive Officer

*1/7/01*

2. Appropriate entries made in ship's qualification records.

*TS*  
\_\_\_\_\_  
Admin Officer

*TS*  
*13/12/01*

*(14)*

ORAL EXAMINATION RECORD

NAME [ (b)(3) / (b)(6) ]

RANK/RATE

DATE 4/17/01

PURPOSE: QUALIFICATION  
REQUALIFICATION  
PROFICIENCY  
QPO DESIGNATION  
SAFEGUARDS  
OTHER

X  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

WATCHSTATION/SYSTEM:  
CONTACT (CLOSED)

EXAMINED BY:  
CO \_\_\_\_\_ XO X  
DEPT. HD. \_\_\_\_\_  
DIV. OFF. \_\_\_\_\_  
OOD/EOOW \_\_\_\_\_  
LPO \_\_\_\_\_

AREA COVERED:

Color range techniques →  
Visual horizon →  
periscope range techniques →  
Bridge to Bridge radio →  
Use of radar (maneuvering) →  
TWT techniques →  
BSY-1 fire control →  
CEP plot →  
#2 scope operations →  
night operations →  
3 minute rule →  
Contact reports →

WEAK AREAS:

periscope ranging  
rules of radar (crossing/meeting/avoidance) (lights)  
observations (BSY-1 op guidelines)  
contact reports (coso)

ADDITIONAL ACTION REQUIRED:

Discuss weak areas w/ XO  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

RESULT: (Interviewer's Initial)

\_\_\_\_ SAT  
Y SAT WITH WEAK AREAS DISCUSSION REQUIRED  
\_\_\_\_ UNSAT

ADDITIONAL ACTION OR WEAK AREA DISCUSSION COMPLETE

Y SAT \_\_\_\_\_ UNSAT \_\_\_\_\_ N/A

E-INTERVIEWER SIGNATURE DATE 4/17/01

Wald KPM 4/17/01  
INTERVIEWER SIGNATURE DATE  
Wald KPM 4/17/01  
APPROVED/CERTIFIED/NOTED DATE



DEPARTMENT OF THE NAVY

COMMANDING OFFICER  
USS GREENEVILLE (SSN-772)  
FPO AP 96666-2428

1552  
Ser SSN772/496  
18 DEC 2000

From: Commanding Officer, USS GREENEVILLE (SSN 772)

To: [ (b)(1) / (b)(6) ]

Subj: QUALIFICATION REQUIREMENT WAIVER

1. Based upon previous qualification as Quartermaster of the Watch, Contact Coordinator and Assistant Navigator, the below listed qualifications are modified to delete the sections shown:

a. Quartermaster of the Watch.

- (1) Prerequisites - All
- (2) Knowledge Requirements - All
- (3) Practical Factors - All
- (4) Under Instruction Watches - All
- (5) Examination

b. Contact Coordinator.

- (1) Knowledge Requirements - All
- (2) Practical Factors - All
- (3) Examination

c. Assistant Navigator.

- (1) Prerequisites - d
- (2) Knowledge Requirements - All
- (3) Practical Factors - A, B, C

2., Contact the Navigator for further information.

S. D. WADDLE

143

28 JUL 1998

USS \_\_\_\_\_ NAVOPSDEPTINST 5400. \_\_\_\_\_

4303 QUARTERMASTER OF THE WATCH QUALIFICATION CARD

NAME [ (b)(3) / (b)(6) ] RATE \_\_\_\_\_

DATE STARTED \_\_\_\_\_ DATE DUE \_\_\_\_\_

1. Prerequisites NAV LPO

- a. Complete Duty Nav ET qualification. \_\_\_\_\_
- b. Be a qualified helmsman. \_\_\_\_\_
- c. Complete the following sections of the ship's qualification card. Battery and D.C. Distribution, Lighting, and 60 Hz Distribution, IC Distribution, and Ventilation System. \_\_\_\_\_
- d. Be a qualified fathometer operator. \_\_\_\_\_
- e. Be a qualified lookout. \_\_\_\_\_

~~DELETED~~

2. Knowledge Requirement. Demonstrate to the satisfaction of the Department Leading Petty Officer a sufficient level of knowledge of the following:

DATE NAV LPO

- a. Demonstrate knowledge of the Electronic Navigation Equipment including the following:
  - (1) Power supplies
  - (2) Normal and emergency ventilation
  - (3) Functions of major components
  - (4) Inter-relations of components
  - (5) Information sent to other systems

~~DELETED~~

- b. Demonstrate a knowledge of basic theory, operating procedures, capabilities, and limitations of the following equipment:
  - (1) Inertial navigation systems
  - (2) Digital and syncro data transmission
  - (3) Navigation system degradation under various computer casualty conditions
  - (4) LORAN
  - (5) Radar
  - (6) GPS

~~DELETED~~

- c. Man overboard procedures \_\_\_\_\_
- d. Information contained in Sailing Directions, Coast Pilots, and Fleet Guides \_\_\_\_\_
- e. The content of the OOD Notebook, operations folder, and operating schedules \_\_\_\_\_

D) |

146

28 JUL 1998

USS \_\_\_\_\_ NAVOPSDEPTINST 5400. \_\_\_\_\_

- |  |       |       |
|--|-------|-------|
| f. IALA A and B Buoyage Systems  | _____ | _____ |
| g. International and Inland Navigation Rules, day signals  | _____ | _____ |
| h. International and Inland Navigation Rules, lights and signals   | _____ | _____ |
| i. International and Inland Navigation Rules, sound signals  | _____ | _____ |
| j. How to select charts for a particular track or area and how corrections are made to charts              | _____ | _____ |
| k. How to determine and apply gyro error   | _____ | _____ |
| l. Procedures following gyro casualty, including the use of a three-arm protractor                         | _____ | _____ |
| m. Tactical characteristics  | _____ | _____ |
| n. Red and yellow soundings and how soundings are corrected, recorded, and compared with charted soundings | _____ | _____ |
| o. The importance of danger bearings   | _____ | _____ |
| p. Course, speed and bearing signal sources, power, and switching arrangements                             | _____ | _____ |
| q. Radio and underwater telephone voice procedures   | _____ | _____ |
| r. SINS/DMINS/ESGN/RLGN (SSN); SINS/ESGM(N) (SSBN) outputs and reset requirements                          | _____ | _____ |
| s. Navigation/Operations Department Organization and Regulations Manual (NODORM).                          | _____ | _____ |
| t. SSORM, SOP/SSM and in particular the following bills with emphasis on duties of QMOW:                   |       |       |
| (1) Maneuvering Bill   | _____ | _____ |
| (2) Diving Bill  | _____ | _____ |
| (3) Surfacing Bill   | _____ | _____ |
| (4) Ventilation Bill   | _____ | _____ |
| (5) Snorkel Bill   | _____ | _____ |
| (6) General Emergency Bill   | _____ | _____ |
| (7) Anchoring Bill   | _____ | _____ |
| (8) Navigation and Piloting Bill   | _____ | _____ |
| (9) Man Overboard Bill   | _____ | _____ |
| (10) Ship Destruction Bill   | _____ | _____ |
| (11) AGI Surveillance Bill   | _____ | _____ |
| (12) Visitors Bill   | _____ | _____ |

(R)

(4)

03 MAR 1997

USS \_\_\_\_\_ NAVOPSDEPTINST 5400. \_\_\_\_\_

DATE      NAV LPO

- u. Commanding Officer's Standing Orders DELETED
- v. Concepts and use of fix expansion as required by the Commanding Officer's Standing Orders, the Navigation Bill, and Article 5105 of this instruction DELETED
- w. Proper plotting and evaluation of ship's movement within a moving haven (MHN) including evaluation of submerged interference DELETED
- x. Concepts and utilization of bottom contour plotting per U.S. Navy Oceanographic Officer Manual of Procedures for General Bathymetric Navigation (SP 198) DELETED
- y. COMSUBLANT/COMSUBPAC Lessons Learned (Navigation and Submarine Driving Sections) and COMSUBLANT/COMSUBPAC Collision and Grounding Brief DELETED

3. Practical Factors. Satisfactorily demonstrate the ability to perform the following evolution's:

- a. Bearing Recorder DELETED
  - (1) Log bearings and soundings. DELETED
  - (2) Make corrections. DELETED
  - (3) Convert relative bearings to true bearings. DELETED
- b. Navigation Plotter DELETED
  - (1) Use of proper scale chart DELETED
  - (2) Lay out a track and annotate with required data. DELETED
  - (3) Lay out an anchorage plot. DELETED
  - (4) Plot turning bearings and ranges. DELETED
  - (5) Plot danger bearings and ranges. DELETED
  - (6) Conduct minimum cycle routine and make required reports while in restricted waters. DELETED
  - (7) Plot visual fix using relative bearing and three arm protractor. DELETED
- c. DDRT/MK 19 Plotter DELETED
  - (1) Energize and secure. DELETED
  - (2) Select and use the proper scale. DELETED
  - (3) Setup scale to conform to scale of chart (picked at random), and for man overboard. DELETED
  - (4) Maintain a plot involving own ship and at least one target. DELETED
- d. Compute sunrise, sunset, moonrise, and moonset. DELETED
- e. Compute and graph tides and currents. DELETED

(11)

USS \_\_\_\_\_ NAVOPSDEPTINST 5400. \_\_\_\_\_

DATE NAV LPO

- |  |   |            |
|--|---|------------|
| <p>f. Plot a position using the following information:</p> <ul style="list-style-type: none"> <li>(1) Visual</li> <li>(2) Radar</li> <li>(3) RDF</li> <li>(4) Bathymetric</li> </ul>   | <p><del>DELETED</del></p> <hr/> <p><del>DELETED</del></p> <hr/> <p><del>DELETED</del></p> <hr/> <p><del>DELETED</del></p> <hr/>                                 |            |
| <p>g. Take and plot LORAN/GPS (All applicable) fixes.</p>  | <p><del>DELETED</del></p> <hr/>   | <p>(R)</p> |
| <p>h. Using light lists, compute geographic and luminous ranges for selected lights.</p>   | <p><del>DELETED</del></p> <hr/>   |            |
| <p>i. Obtain and compute an azimuth of the sun or Polaris to determine gyro error.</p>   | <p><del>DELETED</del></p> <hr/>   |            |
| <p>j. Prepare position reports and make 0800 and 2000 reports to the Commanding Officer.</p>   | <p><del>DELETED</del></p> <hr/>   | <p>(R)</p> |
| <p>k. Demonstrate knowledge, the location, and use of:</p> <ul style="list-style-type: none"> <li>(1) Navigation lighting panels</li> <li>(2) Sextant</li> <li>(3) Anchor balls</li> <li>(4) Chart portfolios</li> <li>(5) Flare pistol</li> </ul> | <p><del>DELETED</del></p> <hr/> <p><del>DELETED</del></p> <hr/> <p><del>DELETED</del></p> <hr/> <p><del>DELETED</del></p> <hr/> <p><del>DELETED</del></p> <hr/> |            |
| <p>l. Demonstrate how to compute set and drift, using the manual method, SINS/DMINS/ESGN/RLGN/ESGM velocities, and the fire control system analyzer.</p>   | <p><del>DELETED</del></p> <hr/>   | <p>(R)</p> |
| <p>m. Rig the bridge for surface.</p>  | <p><del>DELETED</del></p> <hr/>   |            |
| <p>n. Demonstrate use of the periscopes for telemeter and stadimeter ranging.</p>  | <p><del>DELETED</del></p> <hr/>   |            |
| <p>o. Demonstrate familiarity with use of a periscope.</p>   | <p><del>DELETED</del></p> <hr/>   |            |
| <p>p. Rig the control room for all evolutions in the Compartment Bill Holder.</p>  | <p><del>DELETED</del></p> <hr/>   |            |
| <p>q. Complete Navigation Department Pre-Underway Checkoff</p>   | <p><del>DELETED</del></p> <hr/>   |            |
| <p>r. Conduct a communications check using the underwater telephone and remote radio.</p>  | <p><del>DELETED</del></p> <hr/>   |            |
| <p>s. Use of searchlight and Aldis Lamp, including rigging and stowing.</p>  | <p><del>DELETED</del></p> <hr/>   |            |
| <p>t. Bottom contour navigate using following methods:</p> <ul style="list-style-type: none"> <li>(1) Sounding strip</li> <li>(2) Advancing sounding lines of position</li> </ul>  | <p><del>DELETED</del></p> <hr/> <p><del>DELETED</del></p> <hr/>   |            |

(189)

USS \_\_\_\_\_ NAVOPSDEPTINST 5400. \_\_\_\_\_

DATE      NAV LPO

u. Plot a running fix; determine an EP.

\_\_\_\_\_  
\_\_\_\_\_

v. Serve as QMOW (under instruction) and perform assigned tasks during the following evolution's:

- (1) Diving
- (2) Surfacing
- (3) General Emergency
- (4) Man Overboard

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

w. Complete flashing light requirement for QM3.

\_\_\_\_\_  
\_\_\_\_\_

4. Stand watch under instruction until proficiency is demonstrated. (Number of watches to be specified by the Assistant Navigator.)

DATE

QMOW

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
ASSISTANT NAVIGATOR

5. Examination

a. Pass a written examination approved by the Commanding Officer.

DATE: \_\_\_\_\_ GRADE: \_\_\_\_\_  
ASSISTANT NAVIGATOR

b. Pass an oral examination administered by the Leading Petty Officer.  
NOTE: Brief comments on oral examination will be attached)

DATE: \_\_\_\_\_  
LEADING PETTY OFFICER

c. Pass a Rules of the Road examination.

DATE: \_\_\_\_\_  
LEADING PETTY OFFICER

6. Recommended for qualification as Quartermaster of the Watch.

DATE: 12/20/00

[Signature]  
ASSISTANT NAVIGATOR

DATE: 14/15/00

[Signature]  
LEADING PETTY OFFICER

7. Examined and recommended for qualification as QMOW.

DATE: 11/8/01 1/7/01

[Signature]  
NAVIGATOR

03 MAR 1997

USS \_\_\_\_\_ NAVOPSDEPTINST 5400. \_\_\_\_\_

8. Certified as OMOW

*[Signature]* 7 JAN 2001  
COMMANDING OFFICER

9. Administration

a. Entry made in the Ship's Qualification Notebook.

*[Signature]* 7 JAN 2001  
CO

b. Entry made in service record (page 4).

\_\_\_\_\_  
PERSONNEL OFFICER

(15)



DEPARTMENT OF THE NAVY

COMMANDING OFFICER  
USS GREENEVILLE (SSN-772)  
FPO AP 96666-2428

1552  
Ser SSN772/496  
18 DEC 2000

From: Commanding Officer, USS GREENEVILLE (SSN 772)

To: (b) (3) / (b) (6) I

Subj: QUALIFICATION REQUIREMENT WAIVER

1. Based upon previous qualification as Quartermaster of the Watch, Contact Coordinator and Assistant Navigator, the below listed qualifications are modified to delete the sections shown:

a. Quartermaster of the Watch.

- (1) Prerequisites - All
- (2) Knowledge Requirements - All
- (3) Practical Factors - All
- (4) Under Instruction Watches - All
- (5) Examination

b. Contact Coordinator.

- (1) Knowledge Requirements - All
- (2) Practical Factors - All
- (3) Examination

c. Assistant Navigator.

- (1) Prerequisites - d
- (2) Knowledge Requirements - All
- (3) Practical Factors - A, B, C

2. Contact the Navigator for further information.

S. D. WADDLE

(152)