

Naval Education and  
Training Command

NAVEDTRA 43101  
August 1996  
0501-LP-002-2890



**PERSONNEL**

**QUALIFICATION**

**STANDARD**

**FOR**

**SURFACE WARFARE OFFICER (SWO) FOR  
DIVISION OFFICER COURSE GRADUATES**

**NAME (Rate / Rank)** \_\_\_\_\_

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Although the words "he," "him," and "his" are used sparingly in this manual to enhance communication, they are not intended to be gender driven nor to affront or discriminate against anyone reading this material.

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COMTRALANT, Norfolk, VA  
SWOSCOLCOM, Newport, RI

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## INTRODUCTION

### PQS PROGRAM

PQS is a system for qualifying officers and enlisted personnel to perform certain duties. It is a compilation of the knowledge and skills required to qualify for specific watchstations, maintain specific equipment, or perform as a team member within your unit. The PQS Program is not designed as a training program, but provides many training objectives. This PQS has been written by fleet personnel who are currently performing in the watchstations covered in this package and with many years of experience. They have determined that these are the minimum requirements for safely and effectively performing at these watchstations.

### APPLICABILITY

This PQS replaces Deck Watches In Port (NAVEDTRA 43397-C), Small Boat Operations (NAVEDTRA 43152-D), Surface Warfare Officer (SWO) Engineering (NAVEDTRA 43101-3E), and Surface Warfare Officer (SWO) CICWO/OOD (U/W) (NAVEDTRA 43101-4E) for commissioned officers who are graduates of Surface Warfare Officers School Command Division Officer Course (A-4H-0118) and meet one of the following eligibility requirements:

- (1) Commissioned officers permanently assigned to a commissioned U.S. Navy surface ship; specifically, Surface Warfare and Special Operations trainees (116X/119X), lateral transfers into Surface Warfare, surface Limited Duty Officers (61XX, 640X, 648X), and Chief Warrant Officers (711X, 712X, 713X, 714X, 716X, 718X, 719X, 720X, 740X, 748X).
- (2) Permanently assigned exchange officers from the Coast Guard and foreign navies. (Authorization to wear insignia rests with the parent service or country of the officer concerned.)
- (3) Ready Reserve Officer (Inactive Duty) permanently assigned to the crew of a Naval Reserve Force (NRF) ship or a Ship Augmentation Unit (SAU) for a ship.

### TAILORING

To command tailor this package, first have it reviewed by one or more of your most qualified individuals. Delete any portions covering systems and equipment not installed on your ship, aircraft, or unit. Next, add any line items, fundamentals, systems, and watchstations that are unique to your command but not already covered in this package. Finally, the package should be reviewed by the cognizant department head and required changes approved by the Commanding Officer or his designated representative. Retain the approved master copy on file for use in tailoring individual packages.

## INTRODUCTION (Cont'd)

### QUALIFIER

The PQS Qualifier is designated in writing by the Commanding Officer to sign off individual watchstations. Qualifiers will be Surface Warfare Officer qualified and, as a minimum, must have completed the PQS they are authorized to sign off. The names of designated Qualifiers can be found on the PQS Progress Chart. For more information on the duties and responsibilities of PQS Qualifiers, see the PQS Management Guide.

### CONTENTS

This PQS contains only the 300 section (Watchstations) tasks from several different PQS books. The 100 (Fundamentals) and 200 (Systems) sections that were validated by attendance at SWOSCOLCOM's Division Officer Course (A-4H-0118) are not contained in this PQS. The 300 section lists the tasks you will be required to satisfactorily perform in order to achieve final PQS qualification for a particular watchstation.

Each PQS watchstation is divided into four sections: TASKS, INFREQUENT TASKS, ABNORMAL CONDITIONS, and EMERGENCIES. Each section will include a list of questions to be answered when completing individual PQS line items. The questions applicable to each PQS line item are listed on the right side of the page. If none are listed, then all questions for that section apply.

### REFERENCES

The references used during the writing of this PQS package were the latest available to the workshop. However, the most current references available should be used when qualifying with this Standard.

### TRAINEE

The Senior Watch Officer will tell you which watchstations you are to complete and in what order. Before getting started, turn to the 300 Section first and find your watchstation. This will provide you with a list of tasks to discuss or perform. You have 18 months from the day you reported onboard to complete the Surface Warfare Officer qualification. If you have any questions or are unable to locate references, contact your department head or qualifier. Good Luck!

## 300 INTRODUCTION TO WATCHSTATIONS

### 300.1 INTRODUCTION

Here is where you get a chance to demonstrate to your Qualifier that you can put the knowledge you have gained in the Division Officer Course to use. This section allows you to practice the tasks required for your watchstation and to handle abnormal conditions and emergencies. Satisfactory completion of all prerequisite watchstations is required prior to achievement of final watchstation qualification.

### 300.2 FORMAT

Each watchstation in this section contains:

- A FINAL QUALIFICATION PAGE, which is used to obtain the required signatures for approval and recording of Final Qualification.
- PREREQUISITES, which are items that must be certified as having been completed before you can begin qualification for a particular watchstation. Prerequisites may include schools, watchstation qualifications from other PQS booklets, and other watchstation qualifications from this book. Prior to signing off each prerequisite line item, the Qualifier must verify completion from existing records. The date is the date of actual completion, not the sign-off date. No points or percentages are assigned for prerequisites.
- FUNDAMENTALS. Normally, all fundamentals must be completed and signed off here prior to starting the watchstation (section 300) tasks; however, attendance at the Division Officer Course validates all fundamentals required for this qualification. You may start selected watchstation tasks after successfully completing the Division Officer Course.
- SYSTEMS. Normally, all applicable systems must be completed and signed off here prior to starting the watchstation (section 300) tasks; however, attendance at the Division Officer Course validates all systems required for this qualification. You may start selected watchstation tasks after successfully completing the Division Officer Course.
- WATCHSTATIONS. This is the practical factors portion of your qualification. It is broken down as follows:

- Tasks (routine operating tasks that are performed frequently)
- Infrequent Tasks
- Abnormal Conditions
- Emergencies
- Training Watches

At the end of all watchstations, A QUALIFICATION PROGRESS SUMMARY is used to track the progress of a trainee in the watchstations for this PQS and ensure awareness of remaining tasks.

### 300.3 OPERATING PROCEDURES

The PQS deliberately makes no attempt to specify the procedures to be used to complete a task or to control or correct a casualty. The only proper sources of this information are the technical manuals, Engineering Operational Sequencing System (EOSS), Naval Air Training and Operating Procedures Standardization (NATOPS), or other policy-making documents prepared for a specific installation or a piece of equipment. Additionally, the level of accuracy required of a trainee may vary from school to school, ship to ship, and

squadron to squadron based upon such factors as mission requirements. Thus, proficiency may be confirmed only through demonstrated performance at a level of competency sufficient to satisfy the Commanding Officer.

#### 300.4 DISCUSSION ITEMS

Though actual performance of evolutions is always preferable to observation or discussion, some items listed in each watchstation may be too hazardous or time-consuming to perform or simulate. Therefore, you may be required to discuss such designated items with your Qualifier.

#### 300.5 NUMBERING

Each Final Qualification is assigned both a watchstation number and a NAVEDTRA Final Qualification number. The NAVEDTRA number is to be used for recording qualifications in service and training records.

#### 300.6 HOW TO COMPLETE

After successfully completing the Division Officer Course (A-4H-0118), you may perform the task under the supervision of a qualified watchstander. If you satisfactorily perform the task and can explain each step, your Qualifier will sign you off for that task. After all line items have been completed, your Qualifier will verify Final Qualification by signing and dating the Final Qualification pages.

308 OFFICER OF THE DECK (OOD) IN PORT

NAME \_\_\_\_\_ RATE/RANK \_\_\_\_\_

This page is to be used as a record of satisfactory completion of designated sections of the Personnel Qualification Standard (PQS). Only specified supervisors may signify completion of applicable sections either by written or oral examination, or by observation of performance. The examination or checkout need not cover every item; however, a sufficient number should be covered to demonstrate the examinee's knowledge. Should supervisors *give away* their signatures, unnecessary difficulties can be expected in future routine operations.

This qualification section is to be kept in the individual's training jacket.

The trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified OFFICER OF THE DECK (OOD) IN PORT (NAVEDTRA 43397-C).

RECOMMENDED \_\_\_\_\_ DATE \_\_\_\_\_  
Supervisor

RECOMMENDED \_\_\_\_\_ DATE \_\_\_\_\_  
Division Officer

RECOMMENDED \_\_\_\_\_ DATE \_\_\_\_\_  
Department Head

QUALIFIED \_\_\_\_\_ DATE \_\_\_\_\_  
Commanding Officer or Designated Representative

SERVICE RECORD ENTRY \_\_\_\_\_ DATE \_\_\_\_\_

**308 OFFICER OF THE DECK (OOD) IN PORT**

Estimated completion time: 4 weeks

308.1 PREREQUISITES - None.308.2 TASKS

For the tasks listed below:

- A. What are the steps of this procedure?
- B. What control/coordination is required?
- C. What are the prescribed IMC announcements and the required periodicity?
- D. What means of communications are used?
- E. What safety precautions must be observed?
- F. What are the Navy regulations/ship's policy/ guidelines for this evolution?
- G. What parameters/operating limits must be monitored?
- H. What are the required reports/checksheets?
- I. What flags/pennants/day shapes/lights are displayed?
- J. Satisfactorily perform this task.

308.2.1 Inspect Quarterdeck watches

Questions

A B F J

\_\_\_\_\_  
(Signature and Date)

.2 Update status of ship's major equipment and pier services

A B E F J

\_\_\_\_\_  
(Signature and Date)

.3 Inspect ship's brow, mooring lines, ground tackle, and position

A B E F J

\_\_\_\_\_  
(Signature and Date)

.4 Determine SOPA and guardship assignments

A F I J

\_\_\_\_\_  
(Signature and Date)

### 308 OFFICER OF THE DECK (OOD) IN PORT (CONT'D)

		<u>Questions</u>
308.2.5	Review current and scheduled activities/ evolutions and conditions of readiness	A E F I J
	_____ (Signature and Date)	
.6	Review current and predicted weather and tidal conditions	A F J
	_____ (Signature and Date)	
.7	Ascertain location/availability of CO, XO, and embarked commanders	A F I J
	_____ (Signature and Date)	
.8	Review required publications and instructions available on the Quarterdeck	A F J
	_____ (Signature and Date)	
.9	Review ship's, SOPA's, and OPNAV's policies for civilian liberty boats	A E F I J
	_____ (Signature and Date)	
.10	Review ship's and SOPA's policies for ship's boats	A E F I J
	_____ (Signature and Date)	
.11	Direct the testing and use of the general announcing systems, alarms, and ship's bell	A B C D F J
	_____ (Signature and Date)	

### 308 OFFICER OF THE DECK (OOD) IN PORT (CONT'D)

#### Questions

- 308.2.12 Execute the ship's routine as modified in the  
POD, PDL, and In-Port Night Orders A B C D F J
- \_\_\_\_\_  
(Signature and Date)
- .13 Ensure positive identification/authorization of  
personnel entering/leaving the ship A B D F G H J
- \_\_\_\_\_  
(Signature and Date)
- .14 Inspect/control liberty parties A B C D E F G H I J
- \_\_\_\_\_  
(Signature and Date)
- .15 Inspect all packages/materials carried on/off  
the ship for unauthorized/illegal items IAW  
ship's procedures A F J
- \_\_\_\_\_  
(Signature and Date)
- .16 Observe sunrise A B D E F I J
- \_\_\_\_\_  
(Signature and Date)
- .17 Execute morning colors A B D E F I J
- \_\_\_\_\_  
(Signature and Date)
- .18 Execute evening colors/observe sunset A B D E F I J
- \_\_\_\_\_  
(Signature and Date)
- .19 Enforce ship's boats' safety requirements A B D E F H I J
- \_\_\_\_\_  
(Signature and Date)

### 308 OFFICER OF THE DECK (OOD) IN PORT (CONT'D)

#### Questions

- 308.2.20      Ensure all boats are fully equipped, manned,  
                  fuelled, and in working order prior to use  
  
                  \_\_\_\_\_  
                  (Signature and Date)
- .21      Direct the operation of the ship's boats  
  
                  \_\_\_\_\_  
                  (Signature and Date)
- .22      Coordinate shipboard emergency drills  
  
                  \_\_\_\_\_  
                  (Signature and Date)
- .23      Use ship's general announcing system (1MC)  
  
                  \_\_\_\_\_  
                  (Signature and Date)
- .24      Render honors to officers/officials in passing  
                  (afoot, vehicle, boat)  
  
                  \_\_\_\_\_  
                  (Signature and Date)
- .25      Announce the CO's arrival/departure  
  
                  \_\_\_\_\_  
                  (Signature and Date)
- .26      Announce the arrival/departure of ranking  
                  officer/officials  
  
                  \_\_\_\_\_  
                  (Signature and Date)
- .27      Call away working parties  
  
                  \_\_\_\_\_  
                  (Signature and Date)

### 308 OFFICER OF THE DECK (OOD) IN PORT (CONT'D)

		<u>Questions</u>
		A B C D E G H I J
308.2.28	Initiate action to receive ships alongside	
	_____ (Signature and Date)	
.29	Accomplish all necessary actions to allow for the safe conduct of personnel working over the side	A B C E I J
	_____ (Signature and Date)	
.30	Accomplish all necessary actions to allow for the safe conduct of personnel working aloft	A B C E F G H I J
	_____ (Signature and Date)	
.31	Accompany Roving Patrol on his rounds	A F I J
	_____ (Signature and Date)	
.32	Accompany Sound and Security Patrol on his rounds	A F I J
	_____ (Signature and Date)	
.33	Accomplish all necessary actions to allow for the safe conduct of divers in the water	A B C E F G H I J
	_____ (Signature and Date)	
.34	Initiate action to refuel/transfer fuel	A B C E F G H I J
	_____ (Signature and Date)	

### 308 OFFICER OF THE DECK (OOD) IN PORT (CONT'D)

**Questions**

308.2.35 Accomplish all necessary actions to allow for the safe conduct of pumping bilges

A B C E F G H I J

\_\_\_\_\_  
(Signature and Date)

.36 Collect and review 12 o'clock reports

A B F H J

\_\_\_\_\_  
(Signature and Date)

.37 Review Deck Log for correctness

A B F J

\_\_\_\_\_  
(Signature and Date)

.38 Review Commanding Officer's Standing Orders

A J

\_\_\_\_\_  
(Signature and Date)

COMPLETED .2 AREA COMPRISES 35% OF WATCHSTATION.

308.3 **INFREQUENT TASKS**

For the infrequent tasks listed below:

- A. What are the steps of this procedure?
- B. What are the prescribed IMC announcements and the required periodicity?
- C. What control/coordination is required?
- D. What safety precautions must be observed?
- E. What are the Navy/SOPA regulations regarding this action?
- F. What flags, pennants, and day shapes are required?
- G. Satisfactorily perform or simulate this infrequent task.

308.3.1 Verify safe conditions for sonar operations

**Questions**  
A B C D E F G

\_\_\_\_\_  
(Signature and Date)

### 308 OFFICER OF THE DECK (OOD) IN PORT (CONT'D)

	<u>Questions</u>
308.3.2      Verify safe conditions for ordnance handling	A B C D E F G
_____	
(Signature and Date)	
.3      Verify safe conditions for turnover of (jack) main engines	A C D G
_____	
(Signature and Date)	
.4      Observe lowering and raising of ship's boats	A B C D G
_____	
(Signature and Date)	
.5      Prepare for getting underway	A B C E F G
_____	
(Signature and Date)	
.6      Observe working mooring lines with capstan	A C D G
_____	
(Signature and Date)	
.7      Set HERO restrictions	A B C D E F G
_____	
(Signature and Date)	
.8      Verify safe conditions for air operations (in port)	A B C D E F G
_____	
(Signature and Date)	
.9      Respond to political asylum/temporary refuge request	A C D E G
_____	
(Signature and Date)	
.10      Respond to storm warning	A B C D E F G
_____	
(Signature and Date)	

### 308 OFFICER OF THE DECK (OOD) IN PORT (CONT'D)

		<u>Questions</u>
308.3.11	Receive personnel in unauthorized absence (UA)/deserter status	A C E G
	_____ (Signature and Date)	
.12	Receive personnel from civil/military authorities	A C E G
	_____ (Signature and Date)	
.13	Respond to communications fast reaction drill	A B C E G
	_____ (Signature and Date)	
.14	Observe crane operations	A C D E F G
	_____ (Signature and Date)	
.15	Respond to American Red Cross emergency notification	A C E G
	_____ (Signature and Date)	
.16	Observe an anchor chain under light, moderate, and heavy strain and receive reports from the anchor watch	A C D G
	_____ (Signature and Date)	
.17	Receive drunk/disorderly personnel	A C D E G
	_____ (Signature and Date)	

COMPLETED .3 AREA COMPRISES 20% OF WATCHSTATION.

### 308 OFFICER OF THE DECK (OOD) IN PORT (CONT'D)

308.4 ABNORMAL CONDITIONS

For the abnormal conditions listed below:

- A. What indications and alarms are received?
- B. What are the prescribed IMC announcements and the required periodicity?
- C. What are the probable causes?
- D. What operating limitations are imposed?
- E. How does this condition affect other operations/ equipment/watchstations?
- F. Satisfactorily perform or simulate the corrective/immediate action for this abnormal condition.

		<u>Questions</u>
		A B C D E F
308.4.1	Loss of firemain	
	_____	
	(Signature and Date)	
.2	Loss of electrical power	A C D E F
	_____	
	(Signature and Date)	
.3	Dragging anchor	A C E F
	_____	
	(Signature and Date)	
.4	Increased THREATCON	A B C E F
	_____	
	(Signature and Date)	
.5	Excessive list	A B C D E F
	_____	
	(Signature and Date)	
.6	Heavy weather	A B C D E F
	_____	
	(Signature and Date)	

COMPLETED .4 AREA COMPRISES 15% OF WATCHSTATION.

### 308 OFFICER OF THE DECK (OOD) IN PORT (CONT'D)

308.5 EMERGENCIES

For the emergencies listed below:

- A. What indications and alarms are received?
- B. What are the prescribed 1MC announcements and the required periodicity?
- C. What immediate action is required?
- D. What are the probable causes?
- E. What operating limitations are imposed?
- F. How does this emergency affect other operations/ equipment/watchstations?
- G. Satisfactorily perform or simulate the immediate action for this emergency.

		<b>Questions</b> A B C D E F G
308.5.1	Flooding	
	_____	
	(Signature and Date)	
.2	Fire	A B C D E F G
	_____	
	(Signature and Date)	
.3	Man overboard	A B C D F G
	_____	
	(Signature and Date)	
.4	Bomb threat	A C D F G
	_____	
	(Signature and Date)	
.5	Collision	A B C D F G
	_____	
	(Signature and Date)	
.6	Security alert	A C D E G
	_____	
	(Signature and Date)	

### 308 OFFICER OF THE DECK (OOD) IN PORT (CONT'D)

		<u>Questions</u>
308.5.7	Controlled space intrusion alarm	A C D E G
	_____ (Signature and Date)	
.8	Excessive magazine temperature	A C D E G
	_____ (Signature and Date)	
.9	Sneak attack/boarding	A C D F G
	_____ (Signature and Date)	
.10	Sorties/dispersals	A C D F G
	_____ (Signature and Date)	
.11	Explosion	A B C D E F G
	_____ (Signature and Date)	
.12	Medical emergency	A B C D F G
	_____ (Signature and Date)	
.13	Emergency action/response message	A C D G
	_____ (Signature and Date)	
.14	Emergency requiring rescue and assistance detail response	A B C D F G
	_____ (Signature and Date)	

### 308 OFFICER OF THE DECK (OOD) IN PORT (CONT'D)

	<u>Questions</u>
308.5.15 Environmental pollution	A B C D F G
_____	
(Signature and Date)	
.16 Weapons accident	A B C D F G
_____	
(Signature and Date)	
.17 Civil (external) disturbance	A B C D F G
_____	
(Signature and Date)	
.18 Civil (internal) disturbance	A B C D F G
_____	
(Signature and Date)	
.19 Sabotage	A B C D E F G
_____	
(Signature and Date)	
.20 Swimmer attack	A B C D E F G
_____	
(Signature and Date)	

COMPLETED .5 AREA COMPRISES 20% OF WATCHSTATION.

**308 OFFICER OF THE DECK (OOD) IN PORT (CONT'D)**

308.6 WATCHES

STAND THE FOLLOWING WATCHES UNDER QUALIFIED SUPERVISION; STAND A MINIMUM OF 4 WATCHES, WITH ONE EACH DURING THE 0800 - 1200, 1200 - 1600, AND 1600 - 2000.

308.6.1 0800-1200 \_\_\_\_\_  
(Signature and Date)

.2 1200-1600 \_\_\_\_\_  
(Signature and Date)

.3 1600-2000 \_\_\_\_\_  
(Signature and Date)

.4 \_\_\_\_\_  
Time (Signature and Date)

COMPLETED .6 AREA COMPRISES 10% OF WATCHSTATION.

308.7 EXAMINATIONS

(OPTIONAL EXCEPT AS REQUIRED BY TYCOM/ISIC, ETC.)

Pass a written examination

\_\_\_\_\_  
(Signature & Date)

Pass an oral examination board

\_\_\_\_\_  
(Signature & Date)

304 SMALL BOAT OFFICER

NAME \_\_\_\_\_ RATE/RANK \_\_\_\_\_

This page is to be used as a record of satisfactory completion of designated sections of the Personnel Qualification Standard (PQS). Only specified supervisors may signify completion of applicable sections either by written or oral examination, or by observation of performance. The examination or checkout need not cover every item; however, a sufficient number should be covered to demonstrate the examinee's knowledge. Should supervisors *give away* their signatures, unnecessary difficulties can be expected in future routine operations.

This qualification section is to be kept in the individual's training jacket.

The trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified SMALL BOAT OFFICER (NAVEDTRA 43152-D).

RECOMMENDED \_\_\_\_\_ DATE \_\_\_\_\_  
Supervisor

RECOMMENDED \_\_\_\_\_ DATE \_\_\_\_\_  
Division Officer

RECOMMENDED \_\_\_\_\_ DATE \_\_\_\_\_  
Department Head

QUALIFIED \_\_\_\_\_ DATE \_\_\_\_\_  
Commanding Officer or Designated Representative

SERVICE RECORD ENTRY \_\_\_\_\_ DATE \_\_\_\_\_

**304 SMALL BOAT OFFICER**

Estimated completion time: 8 weeks

**304.1 PREREQUISITES****BEFORE STARTING YOUR ASSIGNED TASKS, COMPLETE THE FOLLOWING:****304.1.1 SCHOOLS:**

Second Class Swimmer Qualified

Completed \_\_\_\_\_  
(Qualifier and Date)**304.2 TASKS**

For the tasks listed below:

- A. What are the steps of this procedure?
- B. What safety precautions must be observed?
- C. Satisfactorily perform this task.

**304.2.1 Inspect and brief boat crew****Questions**

A B C

\_\_\_\_\_  
(Signature and Date)**.2 Review navigation chart for prescribed route**

A B C

\_\_\_\_\_  
(Signature and Date)**.3 Ensure proper boat etiquette**

A C

\_\_\_\_\_  
(Signature and Date)**.4 Ensure proper adherence to Rules of the Road**

A B C

\_\_\_\_\_  
(Signature and Date)**.5 Identify senior officer on board**

A C

\_\_\_\_\_  
(Signature and Date)

## 304 SMALL BOAT OFFICER (CONT'D)

### Questions

A B C

304.2.6 Ensure boat loading limits are not exceeded

\_\_\_\_\_  
(Signature and Date)

COMPLETED .2 AREA COMPRISES 24% OF WATCHSTATION.

304.3 INFREQUENT TASKS

For the infrequent tasks listed below:

- A. What are the steps of this procedure?
- B. What control/coordination is required?
- C. What means of communications are used?
- D. What safety precautions must be observed?
- E. Satisfactorily perform or simulate this infrequent task.

304.3.1 Ensure safe deploying/recovering of swimmer

\_\_\_\_\_  
(Signature and Date)

.2 Navigate in low visibility

\_\_\_\_\_  
(Signature and Date)

.3 Assist in towing/being towed

\_\_\_\_\_  
(Signature and Date)

Completed .3 area comprises 13% of watchstation.

## 304 SMALL BOAT OFFICER (CONT'D)

### 304.4 ABNORMAL CONDITIONS

For the abnormal conditions listed below:

- A. What indications and alarms are received?
- B. What immediate action is required?
- C. What are the probable causes?
- D. What operating limitations are imposed?
- E. What emergencies or malfunctions may occur if immediate action is not taken?
- F. How does this condition affect other operations/equipment/watchstations?
- G. What follow-up action is required?
- H. Satisfactorily perform or simulate the corrective/immediate action for this abnormal condition.

#### 304.4.1 Low oil pressure

\_\_\_\_\_  
(Signature and Date)

#### .2 Loss of voice communication/alternate means of communication

\_\_\_\_\_  
(Signature and Date)

#### .3 High water temperature

\_\_\_\_\_  
(Signature and Date)

COMPLETED .4 AREA COMPRISES 13% OF WATCHSTATION.

## 304 SMALL BOAT OFFICER (CONT'D)

### 304.5 EMERGENCIES

For the emergencies listed below:

- A. What indications and alarms are received?
- B. What immediate action is required?
- C. What are the probable causes?
- D. What operating limitations are imposed?
- E. What other emergencies or malfunctions may occur if immediate action is not taken?
- F. How does this emergency affect other operations/ equipment/watchstations?
- G. Satisfactorily perform or simulate the immediate action for this emergency.

#### 304.5.1 Man overboard

\_\_\_\_\_  
(Signature and Date)

#### .2 Fire

\_\_\_\_\_  
(Signature and Date)

#### .3 Flooding

\_\_\_\_\_  
(Signature and Date)

#### .4 Collision/running aground

\_\_\_\_\_  
(Signature and Date)

#### .5 Loss of navigational lights

\_\_\_\_\_  
(Signature and Date)

#### .6 Personnel injuries

\_\_\_\_\_  
(Signature and Date)

## 304 SMALL BOAT OFFICER (CONT'D)

304.5.7 Loss of engine control

\_\_\_\_\_  
(Signature and Date)

.8 Loss of steering

\_\_\_\_\_  
(Signature and Date)

COMPLETED .5 AREA COMPRISES 25% OF WATCHSTATION.

304.6 WATCHES

STAND THE FOLLOWING WATCHES UNDER QUALIFIED SUPERVISION:

304.6.1 Small Boat Officer

\_\_\_\_\_  
(Signature and Date)

COMPLETED .6 AREA COMPRISES 25% OF WATCHSTATION.

304.7 EXAMINATIONS

(OPTIONAL EXCEPT AS REQUIRED BY TYCOM/ISIC, ETC.)

Pass a written examination

\_\_\_\_\_  
(Signature & Date)

Pass an oral examination board

\_\_\_\_\_  
(Signature & Date)

301 SURFACE WARFARE OFFICER (SWO) ENGINEERING (STEAM PLANT)

NAME \_\_\_\_\_ RATE/RANK \_\_\_\_\_

This page is to be used as a record of satisfactory completion of designated sections of the Personnel Qualification Standard (PQS). Only specified supervisors may signify completion of applicable sections either by written or oral examination, or by observation of performance. The examination or checkout need not cover every item; however, a sufficient number should be covered to demonstrate the examinee's knowledge. Should supervisors *give away* their signatures, unnecessary difficulties can be expected in future routine operations.

This qualification section is to be kept in the individual's training jacket.

The trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified SURFACE WARFARE OFFICER (SWO) ENGINEERING (STEAM PLANT) (NAVEDTRA 43101-3E).

RECOMMENDED \_\_\_\_\_ DATE \_\_\_\_\_  
Supervisor

RECOMMENDED \_\_\_\_\_ DATE \_\_\_\_\_  
Division Officer

RECOMMENDED \_\_\_\_\_ DATE \_\_\_\_\_  
Department Head

QUALIFIED \_\_\_\_\_ DATE \_\_\_\_\_  
Commanding Officer or Designated Representative

SERVICE RECORD ENTRY \_\_\_\_\_ DATE \_\_\_\_\_

**301 SURFACE WARFARE OFFICER (SWO) ENGINEERING (STEAM PLANT)**

Estimated completion time: 52 weeks

301.1 PREREQUISITES - None.301.2 TASKS**PRIOR TO STARTING THE TASKS SECTION, VISIT ALL ENGINEERING SPACES WITH A QUALIFIED EOOW AND:**

Identify and discuss installed equipment

\_\_\_\_\_  
(Signature and Date)

Identify and discuss alternate accesses

\_\_\_\_\_  
(Signature and Date)

Identify and discuss installed firefighting and damage control equipment

\_\_\_\_\_  
(Signature and Date)

For the tasks listed below:

- A. What are the steps of this procedure?
- B. What control/coordination is required?
- C. What means of communications, normal and alternate, are used?
- D. What safety precautions must be observed?
- E. What parameters/operating limits must be monitored?
- F. Observe and discuss this evolution with a qualified EOOW.

301.2.1 Operation of engineering plant from cold iron to auxiliary steaming (EOOW Watchstation)

\_\_\_\_\_  
(Signature and Date)

.2 Operation of engineering plant from auxiliary steaming to underway (EOOW Watchstation)

\_\_\_\_\_  
(Signature and Date)

### **301 SURFACE WARFARE OFFICER (SWO) ENGINEERING (STEAM PLANT) (CONT'D)**

301.2.3      Securing engineering plant from underway to auxiliary steaming (EOOW Watchstation)

\_\_\_\_\_  
(Signature and Date)

.4      Securing engineering plant from auxiliary steaming to cold iron (EOOW Watchstation)

\_\_\_\_\_  
(Signature and Date)

.5      EOOW - relief/turnover

\_\_\_\_\_  
(Signature and Date)

.6      Lube oil sampling and testing

\_\_\_\_\_  
(Signature and Date)

.7      Fuel oil sampling and testing

\_\_\_\_\_  
(Signature and Date)

.8      Rudder swing checks from after steering, in port

\_\_\_\_\_  
(Signature and Date)

.9      Rudder swing checks from after steering, underway

\_\_\_\_\_  
(Signature and Date)

.10      Monitor SSTG starting, stopping, loading, unloading, and paralleling operations from switchboard

\_\_\_\_\_  
(Signature and Date)

### 301 SURFACE WARFARE OFFICER (SWO) ENGINEERING (STEAM PLANT) (CONT'D)

301.2.11 Surface blow boiler

\_\_\_\_\_  
(Signature and Date)

.12 Start, load, stop an emergency power source

\_\_\_\_\_  
(Signature and Date)

.13 Blow boiler tubes

\_\_\_\_\_  
(Signature and Date)

.14 EDO - relief/turnover

\_\_\_\_\_  
(Signature and Date)

COMPLETED .2 AREA COMPRISES 20% OF WATCHSTATION.

301.3 INFREQUENT TASKS — None to be discussed.

301.4 ABNORMAL CONDITIONS — None to be discussed.

301.5 EMERGENCIES

For the emergencies listed below:

- A. What indications and alarms are received?
- B. What immediate action is required?
- C. What operating limitations are imposed?
- D. What other emergencies or malfunctions may occur if immediate action is not taken?
- E. How does this emergency affect other operations/equipment/ watchstations?
- F. Discuss this emergency with a qualified EOOW.

301.5.1 Low water in boiler

\_\_\_\_\_  
(Signature and Date)

### 301 SURFACE WARFARE OFFICER (SWO) ENGINEERING (STEAM PLANT) (CONT'D)

301.5.2 High water in boiler

\_\_\_\_\_  
(Signature and Date)

.3 Loss of main feed control

\_\_\_\_\_  
(Signature and Date)

.4 Ruptured boiler tube

\_\_\_\_\_  
(Signature and Date)

.5 Loss of boiler fires

\_\_\_\_\_  
(Signature and Date)

.6 Fire in air casing

\_\_\_\_\_  
(Signature and Date)

.7 Boiler chemistry out of limits

\_\_\_\_\_  
(Signature and Date)

.8 Loss of main lube oil pressure

\_\_\_\_\_  
(Signature and Date)

.9 Loss of main engine vacuum/hot condenser

\_\_\_\_\_  
(Signature and Date)

.10 Loud metallic noise/vibration main engine

\_\_\_\_\_  
(Signature and Date)

### 301 SURFACE WARFARE OFFICER (SWO) ENGINEERING (STEAM PLANT) (CONT'D)

301.5.11 Hot bearing (main engine/reduction gear/line shaft bearing)/uncontrolled bearing temperature

\_\_\_\_\_  
(Signature and Date)

.12 Jammed throttle

\_\_\_\_\_  
(Signature and Date)

.13 Loss of one or more SSTGs

\_\_\_\_\_  
(Signature and Date)

.14 Class "C" fire in switchboards/generators

\_\_\_\_\_  
(Signature and Date)

.15 Class "B" fire in main engineering space

\_\_\_\_\_  
(Signature and Date)

.16 Loss of control air

\_\_\_\_\_  
(Signature and Date)

.17 Boiler explosion

\_\_\_\_\_  
(Signature and Date)

.18 Major steam leak

\_\_\_\_\_  
(Signature and Date)

.19 Flooding of machinery space

\_\_\_\_\_  
(Signature and Date)

### 301 SURFACE WARFARE OFFICER (SWO) ENGINEERING (STEAM PLANT) (CONT'D)

301.5.20 White smoke/black smoke

\_\_\_\_\_  
(Signature and Date)

.21 Major fuel oil leak/lube oil leak

\_\_\_\_\_  
(Signature and Date)

COMPLETED .5 AREA COMPRISES 60% OF WATCHSTATION.

301.6 WATCHES

OBSERVE THE FOLLOWING WATCHES UNDER QUALIFIED SUPERVISION:

301.6.1 EOOW/Normal Underway

\_\_\_\_\_  
(Signature and Date)

.2 Oil King/Alongside Refueling

\_\_\_\_\_  
(Signature and Date)

.3 EOOW/Restricted Maneuvering

\_\_\_\_\_  
(Signature and Date)

.4 EOOW/Engineering Casualty Control Drills

\_\_\_\_\_  
(Signature and Date)

.5 EOOW/Main Space Fire Drill

\_\_\_\_\_  
(Signature and Date)

**301 SURFACE WARFARE OFFICER (SWO) ENGINEERING (STEAM PLANT)  
(CONT'D)**

301.6.6 EDO/In-port Main Space Fire Drill

\_\_\_\_\_  
(Signature and Date)

COMPLETED .6 AREA COMPRISES 20% OF WATCHSTATION.

301.7 EXAMINATIONS

(OPTIONAL EXCEPT AS REQUIRED BY TYCOM/ISIC, ETC.)

Pass a written examination

\_\_\_\_\_  
(Signature & Date)

Pass an oral examination board

\_\_\_\_\_  
(Signature & Date)

302 SURFACE WARFARE OFFICER (SWO) ENGINEERING (DIESEL PLANT)

NAME \_\_\_\_\_ RATE/RANK \_\_\_\_\_

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This qualification section is to be kept in the individual's training jacket.

The trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified SURFACE WARFARE OFFICER (SWO) ENGINEERING (DIESEL PLANT) (NAVEDTRA 43101-3E).

RECOMMENDED \_\_\_\_\_ DATE \_\_\_\_\_  
Supervisor

RECOMMENDED \_\_\_\_\_ DATE \_\_\_\_\_  
Division Officer

RECOMMENDED \_\_\_\_\_ DATE \_\_\_\_\_  
Department Head

QUALIFIED \_\_\_\_\_ DATE \_\_\_\_\_  
Commanding Officer or Designated Representative

SERVICE RECORD ENTRY \_\_\_\_\_ DATE \_\_\_\_\_

**302 SURFACE WARFARE OFFICER (SWO) ENGINEERING (DIESEL PLANT)**

Estimated completion time: 52 weeks

302.1 PREREQUISITES - None.302.2 TASKS**PRIOR TO STARTING THE TASKS SECTION, VISIT ALL ENGINEERING SPACES WITH A QUALIFIED EOOW AND:**

Identify and discuss installed equipment

\_\_\_\_\_  
(Signature and Date)

Identify and discuss alternate accesses

\_\_\_\_\_  
(Signature and Date)

Identify and discuss installed firefighting and damage control equipment

\_\_\_\_\_  
(Signature and Date)

For the tasks listed below:

- A. What are the steps of this procedure?
- B. What control/coordination is required?
- C. What means of communications, normal and alternate, are used?
- D. What safety precautions must be observed?
- E. What parameters/operating limits must be monitored?
- F. Observe and discuss this evolution with a qualified EOOW.

302.2.1 Operation of engineering plant from cold iron to auxiliary steaming (EOOW Watchstation)

\_\_\_\_\_  
(Signature and Date)

.2 Operation of engineering plant from auxiliary steaming to underway (EOOW Watchstation)

\_\_\_\_\_  
(Signature and Date)

## 302 SURFACE WARFARE OFFICER (SWO) ENGINEERING (DIESEL PLANT) (CONT'D)

302.2.3      Securing engineering plant from underway to auxiliary steaming (EOOW Watchstation)

.4      Securing engineering plant from auxiliary steaming to cold iron (EOOW Watchstation)

\_\_\_\_\_  
(Signature and Date)

.5      EOOW - relief/turnover

\_\_\_\_\_  
(Signature and Date)

.6      Lube oil sampling and testing

\_\_\_\_\_  
(Signature and Date)

.7      Fuel oil sampling and testing

\_\_\_\_\_  
(Signature and Date)

.8      Rudder swing checks from after steering, in port

\_\_\_\_\_  
(Signature and Date)

.9      Rudder swing checks from after steering, underway

\_\_\_\_\_  
(Signature and Date)

.10      Monitor SSDG starting, stopping, loading, unloading, and paralleling operations from Electrical Control Plant Control Station

\_\_\_\_\_  
(Signature and Date)

## 302 SURFACE WARFARE OFFICER (SWO) ENGINEERING (DIESEL PLANT) (CONT'D)

302.2.11 EDO - relief/turnover

\_\_\_\_\_  
(Signature and Date)

COMPLETED .2 AREA COMPRISES 20% OF WATCHSTATION.

302.3 INFREQUENT TASKS – None to be discussed.

302.4 ABNORMAL CONDITIONS – None to be discussed.

302.5 EMERGENCIES

For the emergencies listed below:

- A. What indications and alarms are received?
- B. What immediate action is required?
- C. What operating limitations are imposed?
- D. What other emergencies or malfunctions may occur if immediate action is not taken?
- E. How does this emergency affect other operations/equipment/ watchstations?
- F. Discuss this emergency with a qualified EOOW.

302.5.1 Engine overspeeds

\_\_\_\_\_  
(Signature and Date)

.2 High jacket water temperature

\_\_\_\_\_  
(Signature and Date)

.3 Abnormal engine/reduction gear noise/vibration

\_\_\_\_\_  
(Signature and Date)

.4 Loss of fuel oil pressure

\_\_\_\_\_  
(Signature and Date)

## 302 SURFACE WARFARE OFFICER (SWO) ENGINEERING (DIESEL PLANT) (CONT'D)

302.5.5 Loss of governor control

\_\_\_\_\_  
(Signature and Date)

.6 Hot bearing (reduction gear/line shaft bearing)

\_\_\_\_\_  
(Signature and Date)

.7 Loss of lube oil pressure (engine/reduction gear)

\_\_\_\_\_  
(Signature and Date)

.8 Loss of SSDG

\_\_\_\_\_  
(Signature and Date)

.9 Loss of all electrical power

\_\_\_\_\_  
(Signature and Date)

.10 Controllable - reversible pitch propeller casualties (CPP)

\_\_\_\_\_  
(Signature and Date)

.11 Class "B" fire in main engineering space

\_\_\_\_\_  
(Signature and Date)

.12 Class "C" fire in switchboard/generator

\_\_\_\_\_  
(Signature and Date)

.13 Crankcase explosion

\_\_\_\_\_  
(Signature and Date)

## 302 SURFACE WARFARE OFFICER (SWO) ENGINEERING (DIESEL PLANT) (CONT'D)

302.5.14 Loss of clutch air

\_\_\_\_\_  
(Signature and Date)

.15 Loss of control air

\_\_\_\_\_  
(Signature and Date)

.16 Major fuel/lube oil leak

\_\_\_\_\_  
(Signature and Date)

.17 Flooding in main machinery room

\_\_\_\_\_  
(Signature and Date)

COMPLETED .5 AREA COMPRISES 60% OF WATCHSTATION.

302.6 WATCHES

OBSERVE THE FOLLOWING WATCHES UNDER QUALIFIED SUPERVISION:

302.6.1 EOOW/Normal Underway

\_\_\_\_\_  
(Signature and Date)

.2 Oil King/Alongside Refueling

\_\_\_\_\_  
(Signature and Date)

.3 EOOW/Restricted Maneuvering

\_\_\_\_\_  
(Signature and Date)

.4 EOOW/Engineering Casualty Control Drills

\_\_\_\_\_  
(Signature and Date)

**302 SURFACE WARFARE OFFICER (SWO) ENGINEERING (DIESEL PLANT)  
(CONT'D)**

302.6.5 EOOW/Main Space Fire Drill

\_\_\_\_\_  
(Signature and Date)

.6 EDO/In-port Main Space Fire Drill

\_\_\_\_\_  
(Signature and Date)

COMPLETED .6 AREA COMPRISES 20% OF WATCHSTATION.

302.7 EXAMINATIONS

(OPTIONAL EXCEPT AS REQUIRED BY TYCOM/ISIC, ETC.)

Pass a written examination

\_\_\_\_\_  
(Signature & Date)

Pass an oral examination board

\_\_\_\_\_  
(Signature & Date)

303 SURFACE WARFARE OFFICER (SWO) ENGINEERING (GAS TURBINE)

NAME \_\_\_\_\_ RATE/RANK \_\_\_\_\_

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This qualification section is to be kept in the individual's training jacket.

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The trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified SURFACE WARFARE OFFICER (SWO) ENGINEERING (GAS TURBINE) (NAVEDTRA 43101-3E).

RECOMMENDED \_\_\_\_\_ DATE \_\_\_\_\_  
Supervisor

RECOMMENDED \_\_\_\_\_ DATE \_\_\_\_\_  
Division Officer

RECOMMENDED \_\_\_\_\_ DATE \_\_\_\_\_  
Department Head

QUALIFIED \_\_\_\_\_ DATE \_\_\_\_\_  
Commanding Officer or Designated Representative

SERVICE RECORD ENTRY \_\_\_\_\_ DATE \_\_\_\_\_

**303 SURFACE WARFARE OFFICER (SWO) ENGINEERING (GAS TURBINE)**

Estimated completion time: 52 weeks

303.1 PREREQUISITES - None.303.2 TASKS**PRIOR TO STARTING THE TASKS SECTION, VISIT ALL ENGINEERING SPACES WITH A QUALIFIED EOOW AND:**

Identify and discuss installed equipment

\_\_\_\_\_  
(Signature and Date)

Identify and discuss alternate accesses

\_\_\_\_\_  
(Signature and Date)

Identify and discuss installed firefighting and damage control equipment

\_\_\_\_\_  
(Signature and Date)

For the tasks listed below:

- A. What are the steps of this procedure?
- B. What control/coordination is required?
- C. What means of communications, normal and alternate, are used?
- D. What safety precautions must be observed?
- E. What parameters/operating limits must be monitored?
- F. Observe and discuss this evolution with a qualified EOOW.

303.2.1 Operation of engineering plant from cold iron to auxiliary steaming (EOOW Watchstation)

\_\_\_\_\_  
(Signature and Date)

.2 Operation of engineering plant from auxiliary steaming to underway (EOOW Watchstation)

\_\_\_\_\_  
(Signature and Date)

### 303 SURFACE WARFARE OFFICER (SWO) ENGINEERING (GAS TURBINE) (CONT'D)

303.2.3      Securing engineering plant from underway to auxiliary steaming (EOOW Watchstation)

\_\_\_\_\_  
(Signature and Date)

.4      Securing engineering plant from auxiliary steaming to cold iron (EOOW Watchstation)

\_\_\_\_\_  
(Signature and Date)

.5      EOOW - relief/turnover

\_\_\_\_\_  
(Signature and Date)

.6      Lube oil sampling and testing

\_\_\_\_\_  
(Signature and Date)

.7      Fuel oil sampling and testing

\_\_\_\_\_  
(Signature and Date)

.8      Rudder swing checks from after steering, in port

\_\_\_\_\_  
(Signature and Date)

.9      Rudder swing checks from after steering, underway

\_\_\_\_\_  
(Signature and Date)

.10      Monitor SSGTG/SSDG starting, stopping, loading, unloading, and paralleling operations from Electrical Plant Control Console

\_\_\_\_\_  
(Signature and Date)

### 303 SURFACE WARFARE OFFICER (SWO) ENGINEERING (GAS TURBINE) (CONT'D)

303.2.11 Split plant to trail shaft operations from CCS

\_\_\_\_\_  
(Signature and Date)

.12 Trail shaft to split plant operations from CCS

\_\_\_\_\_  
(Signature and Date)

.13 Split plant to full plant operations from CCS

\_\_\_\_\_  
(Signature and Date)

.14 Full plant to split plant operations from CCS

\_\_\_\_\_  
(Signature and Date)

.15 EDO - relief/turnover

\_\_\_\_\_  
(Signature and Date)

COMPLETED .2 AREA COMPRISES 45% OF WATCHSTATION.

303.3 INFREQUENT TASKS — None to be discussed.

303.4 ABNORMAL CONDITIONS — None to be discussed.

### 303 SURFACE WARFARE OFFICER (SWO) ENGINEERING (GAS TURBINE) (CONT'D)

#### 303.5 EMERGENCIES

For the emergencies listed below:

- A. What indications and alarms are received?
- B. What immediate action is required?
- C. What operating limitations are imposed?
- D. What other emergencies or malfunctions may occur if immediate action is not taken?
- E. How does this emergency affect other operations/equipment/ watchstations?
- F. Discuss this emergency with a qualified EOOW.

#### 303.5.1 PLA actuator failure

\_\_\_\_\_  
(Signature and Date)

#### .2 Excessive gas turbine vibrations

\_\_\_\_\_  
(Signature and Date)

#### .3 Loss of gas turbine/reduction gear lube oil pressure

\_\_\_\_\_  
(Signature and Date)

#### .4 Power turbine overspeed

\_\_\_\_\_  
(Signature and Date)

#### .5 High power turbine inlet temperature

\_\_\_\_\_  
(Signature and Date)

#### .6 Class "B" fire in GTM module

\_\_\_\_\_  
(Signature and Date)

### 303 SURFACE WARFARE OFFICER (SWO) ENGINEERING (GAS TURBINE) (CONT'D)

303.5.7 Loss of fuel oil pressure

\_\_\_\_\_  
(Signature and Date)

.8 Unusual noise/vibration in MRG

\_\_\_\_\_  
(Signature and Date)

.9 Hot bearing MRG/line shaft bearing

\_\_\_\_\_  
(Signature and Date)

.10 CRP casualties

\_\_\_\_\_  
(Signature and Date)

.11 Clutch/brake casualties

\_\_\_\_\_  
(Signature and Date)

.12 SSGTG/SSDG casualties

\_\_\_\_\_  
(Signature and Date)

.13 Loss of ship's service air

\_\_\_\_\_  
(Signature and Date)

.14 Class "C" fire in switchboard/generator

\_\_\_\_\_  
(Signature and Date)

.15 Major lube oil/fuel oil leak

\_\_\_\_\_  
(Signature and Date)

### 303 SURFACE WARFARE OFFICER (SWO) ENGINEERING (GAS TURBINE) (CONT'D)

303.5.16 Class "B" fire in main space

\_\_\_\_\_  
(Signature and Date)

.17 Waste heat boiler casualties

\_\_\_\_\_  
(Signature and Date)

.18 Flooding in main machinery room

\_\_\_\_\_  
(Signature and Date)

COMPLETED .5 AREA COMPRISES 45% OF WATCHSTATION.

303.6 WATCHES

OBSERVE THE FOLLOWING WATCHES UNDER QUALIFIED SUPERVISION:

303.6.1 EOOW/Normal Underway

\_\_\_\_\_  
(Signature and Date)

.2 Oil King/Alongside Refueling

\_\_\_\_\_  
(Signature and Date)

.3 EOOW/Restricted Maneuvering

\_\_\_\_\_  
(Signature and Date)

.4 EOOW/Engineering Casualty Control Drills

\_\_\_\_\_  
(Signature and Date)

.5 EOOW/Main Space Fire Drill

\_\_\_\_\_  
(Signature and Date)

### 303 SURFACE WARFARE OFFICER (SWO) ENGINEERING (GAS TURBINE) (CONT'D)

303.6.6 EDO/In-port Main Space Fire Drill

\_\_\_\_\_  
(Signature and Date)

COMPLETED .6 AREA COMPRISES 10% OF WATCHSTATION.

303.7 EXAMINATIONS

(OPTIONAL EXCEPT AS REQUIRED BY TYCOM/ISIC, ETC.)

Pass a written examination

\_\_\_\_\_  
(Signature & Date)

Pass an oral examination board

\_\_\_\_\_  
(Signature & Date)

301 SURFACE WARFARE OFFICER (SWO) COMBAT INFORMATION CENTER (CIC) WATCH OFFICER

NAME \_\_\_\_\_ RATE/RANK \_\_\_\_\_

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This qualification section is to be kept in the individual's training jacket.

The trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified SURFACE WARFARE OFFICER (SWO) COMBAT INFORMATION CENTER (CIC) WATCH OFFICER (NAVEDTRA 43101-4E).

RECOMMENDED \_\_\_\_\_ DATE \_\_\_\_\_  
Supervisor

RECOMMENDED \_\_\_\_\_ DATE \_\_\_\_\_  
Division Officer

RECOMMENDED \_\_\_\_\_ DATE \_\_\_\_\_  
Department Head

QUALIFIED \_\_\_\_\_ DATE \_\_\_\_\_  
Commanding Officer or Designated Representative

SERVICE RECORD ENTRY \_\_\_\_\_ DATE \_\_\_\_\_

**301 SURFACE WARFARE OFFICER (SWO) COMBAT INFORMATION CENTER (CIC) WATCH OFFICER**

Estimated completion time: 6 months

301.1 PREREQUISITES - None.301.2 TASKS

For the tasks listed below:

- A. What are the steps of this procedure?
- B. What control/coordination is required?
- C. What means of communications are used?
- D. What operating limitations are imposed?
- E. What safety precautions must be observed?
- F. What parameters/operating limits must be monitored?
- G. What indications are received if proper procedures are not being followed, and what corrective action is required?
- H. Satisfactorily perform this task.

**Questions**

301.2.1 Review/determine status of equipment in CIC prior to relieving the watch

A D E F G H

\_\_\_\_\_  
(Signature and Date)

.2 Verify inventory of all accountable publications and Communications Security (COMSEC) material in CIC has been taken prior to relieving the watch

A G H

\_\_\_\_\_  
(Signature and Date)

.3 Review Commanding Officer's Standing Night Orders and Battle Orders prior to relieving watch as Combat Information Center Watch Officer (CICWO)

A G H

\_\_\_\_\_  
(Signature and Date)

**301 SURFACE WARFARE OFFICER (SWO) COMBAT INFORMATION CENTER (CIC) WATCH OFFICER (CONT'D)**

**Questions**

- 301.2.4 Relieve watch as CICWO by familiarizing yourself with all applicable tactical/administrative information available on bridge and in CIC to include but not limited to OPTASK, Operation General (OPGEN), and SOE  
\_\_\_\_\_  
(Signature and Date) A B C D E F G H
- .5 Monitor duties of each CIC watchstander  
\_\_\_\_\_  
(Signature and Date) A B C D E F G H
- .6 Transfer CIC Watch, keeping a full grasp of the tactical situation when increasing CICs condition of readiness  
\_\_\_\_\_  
(Signature and Date) A B C D E F G H
- .7 Screen all reports being transmitted from CIC to Bridge  
\_\_\_\_\_  
(Signature and Date) A B C E F G H
- .8 Review CIC logs during a break-in watch  
\_\_\_\_\_  
(Signature and Date) A B C G H
- .9 Interpret a Schedule Change Message  
\_\_\_\_\_  
(Signature and Date) A H
- .10 Verify all tactical information is current and correctly displayed on Surface Summary Plot/ASTAB  
\_\_\_\_\_  
(Signature and Date) A B C H

### 301 SURFACE WARFARE OFFICER (SWO) COMBAT INFORMATION CENTER (CIC) WATCH OFFICER (CONT'D)

#### Questions

- 301.2.11 Supervise plotting on the Digital Dead-Reckoning Tracer (DDRT)/Dead-Reckoning Tracer (DRT), ensuring that proper plotting procedures are used in CIC  
A B C D E F G H
- \_\_\_\_\_  
(Signature and Date)
- .12 Supervise transfer of Navigator's Position Report to the DRT in CIC  
A B G H
- \_\_\_\_\_  
(Signature and Date)
- .13 Supervise use of various plots, displays, and status boards available in CIC  
A B C D E F G H
- \_\_\_\_\_  
(Signature and Date)
- .14 Use a maneuvering board and scopehead plot to determine course, speed, and Closest Point of Approach (CPA) of a surface contact and compare to the DRT plot  
A B C H
- \_\_\_\_\_  
(Signature and Date)
- .15 Use a maneuvering board and scopehead plot to determine course and speed to pass a surface contact at a specified distance  
A B C H
- \_\_\_\_\_  
(Signature and Date)
- .16 Use a maneuvering board and scopehead plot to determine a solution to take station in a formation (time, course, speed specified) with guide both in and out of center  
A B D E H
- \_\_\_\_\_  
(Signature and Date)

### 301 SURFACE WARFARE OFFICER (SWO) COMBAT INFORMATION CENTER (CIC) WATCH OFFICER (CONT'D)

		<u>Questions</u>
301.2.17	Use a maneuvering board to determine true wind  _____ (Signature and Date)	A H
.18	Use a maneuvering board to determine course and speed to obtain a specified desired wind  _____ (Signature and Date)	A D F H
.19	Apply advance, transfer, acceleration, and deceleration to a maneuvering board solution  _____ (Signature and Date)	A D F H
.20	Use a maneuvering board to determine time to turn and bearing to the guide when ship changes course during a search turn  _____ (Signature and Date)	A D F H
.21	Determine maneuvering board solutions and make recommendations to the Conning Officer during multiship tactical maneuvers  _____ (Signature and Date)	A B C E F H
.22	Prepare and supervise a 90-minute tactical non-maneuvering drill  _____ (Signature and Date)	A B C D E F G H
.23	Energize and properly adjust a radar repeater to provide proper presentation  _____ (Signature and Date)	A C D E F G H

### 301 SURFACE WARFARE OFFICER (SWO) COMBAT INFORMATION CENTER (CIC) WATCH OFFICER (CONT'D)

		<u>Questions</u>
301.2.24	Observe tuning of surface search radar  _____ (Signature and Date)	A H
.25	Point out exact location of remote cutout switches for radar repeaters and other major electronic equipment  _____ (Signature and Date)	A E H
.26	Determine ship's position using radar  _____ (Signature and Date)	A D E F G H
.27	Determine ship's position using all electronic navigation systems available in CIC  _____ (Signature and Date)	A B C D F G H
.28	Determine your ship's Identification Friend or Foe (IFF) codes using applicable instructions  _____ (Signature and Date)	A D E F G H
.29	Identify emergency IFF codes  _____ (Signature and Date)	A E H
.30	Set up and properly maintain a DDRT/DRT plot during formation steaming  _____ (Signature and Date)	A B C D E F G H
.31	Observe Special Sea and Anchor Detail evolutions in CIC  _____ (Signature and Date)	A B C D E F G H

**301 SURFACE WARFARE OFFICER (SWO) COMBAT INFORMATION CENTER (CIC) WATCH OFFICER (CONT'D)**

**Questions**

301.2.32 Supervise CIC actions during a man overboard exercise A B C D E F G H

\_\_\_\_\_  
(Signature and Date)

.33 Observe CIC during an actual or simulated Search and Rescue (SAR) exercise A B C D E F G H

\_\_\_\_\_  
(Signature and Date)

.34 Observe CIC during an actual or simulated ASMD exercise A B C D E F G H

\_\_\_\_\_  
(Signature and Date)

.35 Observe CIC during an actual or simulated SAU exercise A B C D E F G H

\_\_\_\_\_  
(Signature and Date)

.36 Observe CIC during an actual or simulated SAG exercise A B C D E F G H

\_\_\_\_\_  
(Signature and Date)

.37 Supervise a DDRT/DRT plot during an MIW exercise A B C D E F G H

\_\_\_\_\_  
(Signature and Date)

.38 Implement and patch a communications plan A B C D E F G H

\_\_\_\_\_  
(Signature and Date)

.39 Discuss and identify all means of voice and data communication with a qualified radio watch supervisor A B C D E F G H

\_\_\_\_\_  
(Signature and Date)

### 301 SURFACE WARFARE OFFICER (SWO) COMBAT INFORMATION CENTER (CIC) WATCH OFFICER (CONT'D)

Questions

- 301.2.40 Complete L-TRAN/CAST lessons for basic tracker through Surface/Subsurface Weapons Coordinator  
  
\_\_\_\_\_  
(Signature and Date) A H
- .41 Observe a Combat Systems Training Team (CSTT) drill scenario  
  
\_\_\_\_\_  
(Signature and Date) A B C D E F G H
- .42 Review ship's Electronic Casualty Control Procedures  
  
\_\_\_\_\_  
(Signature and Date) A G H
- .43 Observe a Seamanship Training Team (STT) drill scenario  
  
\_\_\_\_\_  
(Signature and Date) A E H
- .44 Supervise the setting of Emission Control (EMCON)/ Hazards of Electromagnetic Radiation to Ordnance (HERO)  
  
\_\_\_\_\_  
(Signature and Date) A B C D E F G H
- .45 Observe Overall Combat Systems Operational Test (OCSOT)  
  
\_\_\_\_\_  
(Signature and Date) A B C D E F G H
- .46 Observe Undersea Warfare (USW) System Consolidated Operability Test (SCOT)  
  
\_\_\_\_\_  
(Signature and Date) A B C D E F G H

### 301 SURFACE WARFARE OFFICER (SWO) COMBAT INFORMATION CENTER (CIC) WATCH OFFICER (CONT'D)

**Questions**

- 301.2.47 Encode and decode your ship's daily changing call sign  
\_\_\_\_\_  
(Signature and Date) A H
- .48 Encode, decode, and transmit messages using the U.S. Navy Operations Code during a communications exercise or actual transmission  
\_\_\_\_\_  
(Signature and Date) A C H
- .49 Authenticate a voice radiotelephone transmission using transmission authentication procedures during an actual transmission or during a communications exercise  
\_\_\_\_\_  
(Signature and Date) A C H
- .50 Prepare and transmit an Initial Contact Report and an Amplifying Contact Report  
\_\_\_\_\_  
(Signature and Date) A B C H
- .51 Prepare a LOCATOR message  
\_\_\_\_\_  
(Signature and Date) A B C H
- .52 Observe the setup and operation of NTCS-A. Review the information available from this system.  
\_\_\_\_\_  
(Signature and Date) A B C D E F G H
- .53 Determine, from applicable publications and OPTASKS, the data link parameters for the link currently in use  
\_\_\_\_\_  
(Signature and Date) A H

COMPLETED .2 AREA COMPRISES 40% OF WATCHSTATION.

### 301 SURFACE WARFARE OFFICER (SWO) COMBAT INFORMATION CENTER (CIC) WATCH OFFICER (CONT'D)

301.3 INFREQUENT TASKS

For the infrequent tasks listed below:

- A. What are the steps of this procedure?
- B. What control/coordination is required?
- C. What means of communications are used?
- D. What operating limitations are imposed?
- E. What safety precautions must be observed?
- F. What parameters must be monitored?
- G. What indications are received if proper procedures are not being followed, and what corrective action is required?
- H. Satisfactorily perform or simulate this infrequent task.

		<u>Questions</u>
301.3.1	Attend an ammunition handling safety brief  _____ (Signature and Date)	A E H
.2	Attend a prefire safety briefing  _____ (Signature and Date)	A E H
.3	Observe prefire operational checks on:	
a.	Gun  _____ (Signature and Date)	A B C D E F G H
b.	Missile  _____ (Signature and Date)	A B C D E F G H
c.	Vertical Launch ASROC (VLA)  _____ (Signature and Date)	A B C D E F G H

**301 SURFACE WARFARE OFFICER (SWO) COMBAT INFORMATION CENTER (CIC) WATCH OFFICER (CONT'D)**

**Questions**

301.3.3 d. Surface Vessel Torpedo Tubes (SVTT) A B C D E F G H

\_\_\_\_\_  
(Signature and Date)

e. Close-In Weapon System (CIWS) A B C D E F G H

\_\_\_\_\_  
(Signature and Date)

.4 Observe a firing exercise of:

a. Gun A B C D E F G H

\_\_\_\_\_  
(Signature and Date)

b. Missile A B C D E F G H

\_\_\_\_\_  
(Signature and Date)

c. VLA A B C D E F G H

\_\_\_\_\_  
(Signature and Date)

d. SVTT A B C D E F G H

\_\_\_\_\_  
(Signature and Date)

e. CIWS A B C D E F G H

\_\_\_\_\_  
(Signature and Date)

.5 Observe spotting procedures performed by the Gunnery Team from Weapons Control A B C D E F G H

\_\_\_\_\_  
(Signature and Date)

### 301 SURFACE WARFARE OFFICER (SWO) COMBAT INFORMATION CENTER (CIC) WATCH OFFICER (CONT'D)

Questions

- 301.3.6.1 Observe duties of Plotting Room Officer or Gunnery Control Officer Console (GCOC) Operator during a gunnery exercise  
\_\_\_\_\_  
(Signature and Date) A B C D E F G H
- .7 Observe a completed air intercept as performed by a qualified Air Intercept Controller (AIC)  
\_\_\_\_\_  
(Signature and Date) A B C D E F G H
- .8 Observe a qualified Tactical Action Officer (TAO) and other CIC watchstanders performing in an actual or simulated Air Warfare (AW) exercise  
\_\_\_\_\_  
(Signature and Date) A B C D E F G H
- .9 Observe Ship's Weapons Coordinator (SWC), or equivalent, during an actual or simulated ASCM launch  
\_\_\_\_\_  
(Signature and Date) A B C D E F G H
- .10 Observe TAO and other CIC watchstanders during an actual or simulated SUW exercise  
\_\_\_\_\_  
(Signature and Date) A B C D E F G H
- .11 Evaluate the temperature versus depth profile associated with an XBT launch  
\_\_\_\_\_  
(Signature and Date) A H

### 301 SURFACE WARFARE OFFICER (SWO) COMBAT INFORMATION CENTER (CIC) WATCH OFFICER (CONT'D)

#### Questions

- 301.3.12 Observe the prosecution of a sonar contact (actual or simulated), by sonar operators, from initial sonar detection to weapons launch  
A B C D E F G H  
  
\_\_\_\_\_  
(Signature and Date)
- .13 Observe the duties of Evaluator USWOC and SSC/SSWC during actual or simulated USW operations  
A B C D E F G H  
  
\_\_\_\_\_  
(Signature and Date)
- .14 Observe the duties of USWO, USWFCO and UBFCs during actual or simulated USW operations  
A B C D E F G H  
  
\_\_\_\_\_  
(Signature and Date)
- .15 Observe an ASTAC during actual or simulated USW operations  
A B C D E F G H  
  
\_\_\_\_\_  
(Signature and Date)
- .16 Observe a qualified helo controller during Vertical Replenishment (VERTREP) operations  
A B C D E F G H  
  
\_\_\_\_\_  
(Signature and Date)
- .17 Observe a C2W exercise  
A B C D E F G H  
  
\_\_\_\_\_  
(Signature and Date)
- .18 Observe an ES intercept to include the determination of the parameters of the intercepted emitter  
A B C D E F G H  
  
\_\_\_\_\_  
(Signature and Date)

**301 SURFACE WARFARE OFFICER (SWO) COMBAT INFORMATION CENTER (CIC) WATCH OFFICER (CONT'D)**

**Questions**

- 301.3.19 Attend an amphibious ship-to-shore waterborne and/or airborne landing briefing  
  
\_\_\_\_\_  
(Signature and Date) A H
- .20 Observe navigational and vectoring duties during a ship-to-shore waterborne and/or airborne landing  
  
\_\_\_\_\_  
(Signature and Date) A B C D E F G H
- .21 Observe amphibious assault craft launch and recovery  
  
\_\_\_\_\_  
(Signature and Date) A B C D E F G H
- .22 Observe an actual or simulated Naval Surface Fire Support (NSFS) evolution  
  
\_\_\_\_\_  
(Signature and Date) A B C D E F G H
- .23 Assist the Intelligence Officer in preparing and presenting an intelligence briefing  
  
\_\_\_\_\_  
(Signature and Date) A H
- .24 Observe a qualified TAO and other CIC watchstanders during an actual or simulated port break-out/break-in exercise  
  
\_\_\_\_\_  
(Signature and Date) A B C D E F G H
- .25 Observe the duties of Track Supervisor during initiation of NTDS operations  
  
\_\_\_\_\_  
(Signature and Date) A B C D E F G H

### 301 SURFACE WARFARE OFFICER (SWO) COMBAT INFORMATION CENTER (CIC) WATCH OFFICER (CONT'D)

Questions

301.3.26 Review weapon, warning status, and weapons postures with a qualified TAO A B C D E F G H

\_\_\_\_\_  
(Signature and Date)

.27 Transmit a message using secure voice means to include INMARSAT A B C D F G H

\_\_\_\_\_  
(Signature and Date)

.28 Prepare an OPREP-3 Navy Blue message A B C D F G H

\_\_\_\_\_  
(Signature and Date)

.29 Prepare a Unit SITREP message A B C D F G H

\_\_\_\_\_  
(Signature and Date)

COMPLETED .3 AREA COMPRISES 30% OF WATCHSTATION.

301.4 ABNORMAL CONDITIONS

For the abnormal conditions listed below:

- A. What indications and alarms are received?
- B. What immediate action is required?
- C. What are the probable causes?
- D. What operating limitations are imposed?
- E. What emergencies or malfunctions may occur if immediate action is not taken?
- F. How does this condition affect other operations/equipment/watchstations?
- G. What follow-up action is required?
- H. Satisfactorily perform or simulate the corrective/immediate action for this abnormal condition.

301.4.1 Loss of chilled water

\_\_\_\_\_  
(Signature and Date)

### 301 SURFACE WARFARE OFFICER (SWO) COMBAT INFORMATION CENTER (CIC) WATCH OFFICER (CONT'D)

301.4.2 Loss of 60 Hz electrical power

\_\_\_\_\_  
(Signature and Date)

.3 Loss of 400 Hz electrical power

\_\_\_\_\_  
(Signature and Date)

.4 Loss of high pressure air

\_\_\_\_\_  
(Signature and Date)

.5 Loss of low pressure/dry air

\_\_\_\_\_  
(Signature and Date)

.6 Loss of operational program

\_\_\_\_\_  
(Signature and Date)

.7 Loss of communications

\_\_\_\_\_  
(Signature and Date)

.8 Loss of ship's sensors

\_\_\_\_\_  
(Signature and Date)

.9 Loss of gyro/dead reckoning/electronic navigation equipment

\_\_\_\_\_  
(Signature and Date)

COMPLETED .4 AREA COMPRISES 5% OF WATCHSTATION.

### 301 SURFACE WARFARE OFFICER (SWO) COMBAT INFORMATION CENTER (CIC) WATCH OFFICER (CONT'D)

301.5 EMERGENCIES

For the emergencies listed below:

- A. What indications and alarms are received?
- B. What immediate action is required?
- C. What equipment is required to take corrective action and where is it located?
- D. What operating limitations are imposed?
- E. What emergencies or malfunctions may occur if immediate action is not taken?
- F. How does this emergency affect other operations/equipment/ watchstations?
- G. What follow-up action is required?
- H. Satisfactorily perform or simulate the immediate action for this emergency.

301.5.1 Class C fire in CIC

\_\_\_\_\_  
(Signature and Date)

.2 Electrical shock

\_\_\_\_\_  
(Signature and Date)

.3 Broken piping in CIC

\_\_\_\_\_  
(Signature and Date)

.4 Torpedo evasion

\_\_\_\_\_  
(Signature and Date)

.5 Misfire procedures

\_\_\_\_\_  
(Signature and Date)

**301 SURFACE WARFARE OFFICER (SWO) COMBAT INFORMATION CENTER (CIC) WATCH OFFICER (CONT'D)**

301.5.6 Aircraft emergencies

\_\_\_\_\_  
(Signature and Date)

.7 Man overboard

\_\_\_\_\_  
(Signature and Date)

COMPLETED .5 AREA COMPRISES 10% OF WATCHSTATION.

301.6 WATCHES

STAND THE FOLLOWING WATCHES UNDER QUALIFIED SUPERVISION:

301.6.1 Condition III (5 times)

\_\_\_\_\_  
(Signature and Date)

COMPLETED .6 AREA COMPRISES 15% OF WATCHSTATION.

301.7 EXAMINATIONS

(OPTIONAL EXCEPT AS REQUIRED BY TYCOM/ISIC, ETC.)

Pass a written examination

\_\_\_\_\_  
(Signature & Date)

Pass an oral examination board

\_\_\_\_\_  
(Signature & Date)

302 SURFACE WARFARE OFFICER (SWO) OFFICER OF THE DECK (OOD) UNDERWAY

NAME \_\_\_\_\_ RATE/RANK \_\_\_\_\_

This page is to be used as a record of satisfactory completion of designated sections of the Personnel Qualification Standard (PQS). Only specified supervisors may signify completion of applicable sections either by written or oral examination, or by observation of performance. The examination or checkout need not cover every item; however, a sufficient number should be covered to demonstrate the examinee's knowledge. Should supervisors *give away* their signatures, unnecessary difficulties can be expected in future routine operations.

This qualification section is to be kept in the individual's training jacket.

The trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified SURFACE WARFARE OFFICER (SWO) OFFICER OF THE DECK (OOD) UNDERWAY (NAVEDTRA 43101-4E).

RECOMMENDED \_\_\_\_\_ DATE \_\_\_\_\_  
Supervisor

RECOMMENDED \_\_\_\_\_ DATE \_\_\_\_\_  
Division Officer

RECOMMENDED \_\_\_\_\_ DATE \_\_\_\_\_  
Department Head

QUALIFIED \_\_\_\_\_ DATE \_\_\_\_\_  
Commanding Officer or Designated Representative

SERVICE RECORD ENTRY \_\_\_\_\_ DATE \_\_\_\_\_

**302 SURFACE WARFARE OFFICER (SWO) OFFICER OF THE DECK (OOD) UNDERWAY**

Estimated completion time: 6 months

**302.1 PREREQUISITES****BEFORE STARTING YOUR ASSIGNED TASKS, COMPLETE THE FOLLOWING:****302.1.1 PQS QUALIFICATIONS:**

Surface Warfare Officer (SWO) Engineering (NAVEDTRA 43101-3E) (RECOMMENDED)

Completed \_\_\_\_\_  
(Qualifier and Date)

Small Boat Operations (NAVEDTRA 43152-D), 304 Small Boat Officer

Completed \_\_\_\_\_  
(Qualifier and Date)

Decoy Launching Systems (NAVEDTRA 43341-B), 304 MK 164 Bridge Launcher Control Panel Operator

Completed \_\_\_\_\_  
(Qualifier and Date)**.2 WATCHSTATIONS FROM THIS PQS:**301 Surface Warfare Officer (SWO) Combat Information Center (CIC) Watch Officer  
(RECOMMENDED)Completed \_\_\_\_\_  
(Qualifier and Date)

## 302 SURFACE WARFARE OFFICER (SWO) OFFICER OF THE DECK (OOD) UNDERWAY (CONT'D)

### 302.2 TASKS

For the tasks listed below:

- A. What are the steps of this procedure?
- B. What control/coordination is required?
- C. What safety precautions must be observed?
- D. What parameters/operating limits must be monitored?
- E. What indications are received if proper procedures are not being followed and what corrective action is required?
- F. Satisfactorily perform this task.

### Questions

- 302.2.1.1 Inventory all accountable publications and Communications Security (COMSEC) material on the Bridge prior to relieving the watch

A E F

\_\_\_\_\_  
(Signature and Date)

- .2 Read Standing, Night, and Battle Orders prior to relieving Junior Officer of the Deck (JOOD)/Junior Officer of the Watch (JOOW)

A F

\_\_\_\_\_  
(Signature and Date)

- .3 Properly relieve the watch on Bridge after familiarizing yourself with applicable information available in CIC, Engineering Control, and Bridge to include tactical, navigational, plant status and shipboard information such as daily routine, equipment status, etc.

A B C D E F

\_\_\_\_\_  
(Signature and Date)

- .4 Monitor performance of each Bridge watchstander

A B C E F

\_\_\_\_\_  
(Signature and Date)

## 302 SURFACE WARFARE OFFICER (SWO) OFFICER OF THE DECK (OOD) UNDERWAY (CONT'D)

### Questions

- 302.2.5.1 Supervise and control use of ship's General Announcing System  
\_\_\_\_\_  
(Signature and Date) A B F
- .6 Operate and supervise use of all Bridge equipment  
\_\_\_\_\_  
(Signature and Date) A B C D E F
- .7 Screen all reports to Officer of the Deck (OOD) and initiate appropriate action  
\_\_\_\_\_  
(Signature and Date) A B F
- .8 Ensure all tactical information is current and correctly displayed on Surface Summary Plot/ASTAB  
\_\_\_\_\_  
(Signature and Date) A B F
- .9 Supervise ship's routine as modified by Plan of the Day (POD), Pass Down Log (PDL), and Night Orders  
\_\_\_\_\_  
(Signature and Date) A B C D E F
- .10 Ensure all Bridge logs and records are properly maintained  
\_\_\_\_\_  
(Signature and Date) A F
- .11 Monitor external radio circuits patched to Bridge as directed by ship's Communication Plan  
\_\_\_\_\_  
(Signature and Date) A B F

### 302 SURFACE WARFARE OFFICER (SWO) OFFICER OF THE DECK (OOD) UNDERWAY (CONT'D)

#### Questions

- 302.2.12 Transfer Bridge watch, keeping full grasp of tactical situation, when increasing ship's condition of readiness  
A B C D E F
- \_\_\_\_\_  
(Signature and Date)
- .13 Conduct passing honors and ceremonies  
A B F
- \_\_\_\_\_  
(Signature and Date)
- .14 Transfer steering control from primary control to each alternate method of control  
A B C D E F
- \_\_\_\_\_  
(Signature and Date)
- .15 Report contacts to the Commanding Officer using required format from the Standing Order book  
A B F
- \_\_\_\_\_  
(Signature and Date)
- .16 Relieve as Conning Officer and conn the ship using standard commands to the helm and lee helm  
A B C D E F
- \_\_\_\_\_  
(Signature and Date)
- .17 Observe a mooring evolution alongside a pier from Bridge, noting standard commands to helm, lee helm, line handlers and tugs  
A C F
- \_\_\_\_\_  
(Signature and Date)
- .18 Observe line handling procedures from your ship's forecastle and fantail  
A C F
- \_\_\_\_\_  
(Signature and Date)

### 302 SURFACE WARFARE OFFICER (SWO) OFFICER OF THE DECK (OOD) UNDERWAY (CONT'D)

		<u>Questions</u>
302.2.19	Bring the ship alongside a pier  _____ (Signature and Date)	A B C D E F
.20	Get the ship underway from a pier  _____ (Signature and Date)	A B C D E F
.21	Set up a stadimeter and use it to determine the distance to a ship  _____ (Signature and Date)	A E F
.22	Visually determine a ship's target angle at night  _____ (Signature and Date)	A E F
.23	Visually determine a ship's target angle during daylight hours  _____ (Signature and Date)	A C E F
.24	Determine bearing drift of a surface contact and its significance to risk of collision  _____ (Signature and Date)	A C E F
.25	Observe anchoring from the forecastle  _____ (Signature and Date)	A C E F
.26	Conn the ship through an anchoring evolution  _____ (Signature and Date)	A B C D E F

### 302 SURFACE WARFARE OFFICER (SWO) OFFICER OF THE DECK (OOD) UNDERWAY (CONT'D)

	<u>Questions</u>
302.2.27    Get ship underway from an anchorage	A B C D E F
_____	
(Signature and Date)	
.28    Observe an Underway Replenishment (UNREP) evolution at an UNREP station	A E F
_____	
(Signature and Date)	
.29    Conn alongside during an UNREP evolution	A B C D E F
_____	
(Signature and Date)	
.30    Conn during an UNREP approach	A B C D E F
_____	
(Signature and Date)	
.31    Conn during an UNREP breakaway	A B C D E F
_____	
(Signature and Date)	
.32    Observe aviation operations from Pri-Fly/Helo Control Station	A B C D E F
_____	
(Signature and Date)	
.33    Supervise aviation operations from Bridge	A B C D E F
_____	
(Signature and Date)	
.34    Act as Junior Officer of the Deck (JOOD)/Conning Officer during Engineering Casualty Control drills	A B C D E F
_____	
(Signature and Date)	

## 302 SURFACE WARFARE OFFICER (SWO) OFFICER OF THE DECK (OOD) UNDERWAY (CONT'D)

	<u>Questions</u>
302.2.35 Conn ship during a multiship tactical maneuvering exercise	A B C D E F
_____	
(Signature and Date)	
.36 Using two fixes and appropriate Dead Reckonings (DRs), determine set and drift, Speed Over Ground (SOG), course and speed to regain Position of Intended Movement (PIM), and course and speed to maintain desired track	A D E F
_____	
(Signature and Date)	
.37 Construct and properly label an intended track to be used for restricted water piloting using turn bearings, courses and speeds, and danger bearings	A C D E F
_____	
(Signature and Date)	
.38 Determine gyro error using a range	A F
_____	
(Signature and Date)	
.39 Apply local variation and deviation to the magnetic compass to obtain a true heading	A F
_____	
(Signature and Date)	
.40 Apply gyro error to indicated course to obtain a true heading	A F
_____	
(Signature and Date)	
.41 Compare ship's position, set, and drift with CIC during piloting in restricted waters	A B C D E F
_____	
(Signature and Date)	

### 302 SURFACE WARFARE OFFICER (SWO) OFFICER OF THE DECK (OOD) UNDERWAY (CONT'D)

		<u>Questions</u>
302.2.42	Determine the computed visibility of a navigational light  _____ (Signature and Date)	A F
.43	Compute state of tide and current at a given time and place  _____ (Signature and Date)	A F
.44	Interpret tide and tidal current graphs for applicable stations  _____ (Signature and Date)	A F
.45	Compute sunrise/sunset and civil twilight  _____ (Signature and Date)	A F
.46	Observe an azimuth of sun and determine compass error  _____ (Signature and Date)	A F
.47	Compare fathometer readings with the charted depth of ship's fixed navigation position  _____ (Signature and Date)	A F
.48	Establish ship's position using each available Electronic Navigation System  _____ (Signature and Date)	A F
.49	Read and break flaghoist signals during a flaghoist drill  _____ (Signature and Date)	A F

### 302 SURFACE WARFARE OFFICER (SWO) OFFICER OF THE DECK (OOD) UNDERWAY (CONT'D)

		<u>Questions</u>
302.2.50	Encode and decode signals from ATP 1(C), Vol. II, for actual transmissions/receptions or during a flaghoist drill	A F
	_____ (Signature and Date)	
.51	Encode and decode signals from Pub. 102 during actual transmissions/receptions or during a flaghoist drill	A F
	_____ (Signature and Date)	
.52	Prepare an outgoing message for visual transmission using a visual message blank	A F
	_____ (Signature and Date)	
.53	Conduct and log a voice communications exchange using bridge-to-bridge radiotelephone	A B D F
	_____ (Signature and Date)	
.54	Observe a man overboard drill from recovery station	A C F
	_____ (Signature and Date)	
.55	Maneuver the ship to recover an actual or simulated man overboard	A B C D E F
	_____ (Signature and Date)	
.56	Determine speed limitations based on propulsion plant capabilities and line up	A B C D E F
	_____ (Signature and Date)	

**302 SURFACE WARFARE OFFICER (SWO) OFFICER OF THE DECK  
(OOD) UNDERWAY (CONT'D)**

	<u>Questions</u>
302.2.57    Observe wet well deck operations	A B C D E F
_____	
(Signature and Date)	
.58    Monitor Emission Control (EMCON)/Hazards of Electromagnetic Radiation to Ordnance (HERO) condition	A B C D E F
_____	
(Signature and Date)	
.59    Point out the exact location of remote cutout switches of radar repeaters and other major electronic equipment	A C F
_____	
(Signature and Date)	
.60    Energize all navigation/task lights	A C E F
_____	
(Signature and Date)	
.61    Energize and tune all commercial navigation radars	A B C D E F
_____	
(Signature and Date)	
COMPLETED .2 AREA COMPRISES 60% OF WATCHSTATION.	

## 302 SURFACE WARFARE OFFICER (SWO) OFFICER OF THE DECK (OOD) UNDERWAY (CONT'D)

### 302.3 INFREQUENT TASKS

For the infrequent tasks listed below:

- A. What are the steps of this procedure?
- B. What control/coordination is required?
- C. What safety precautions must be observed?
- D. What parameters must be monitored?
- E. What indications are received if proper procedures are not being followed, and what corrective action is required?
- F. Satisfactorily perform or simulate this infrequent task.

#### 302.3.1 Moor to a buoy

\_\_\_\_\_  
(Signature and Date)

#### .2 Plane guard

\_\_\_\_\_  
(Signature and Date)

#### .3 Tow/be towed

\_\_\_\_\_  
(Signature and Date)

#### .4 Towed array/SLQ-25 NIXIE operations

\_\_\_\_\_  
(Signature and Date)

#### .5 Raise/lower small boat

\_\_\_\_\_  
(Signature and Date)

#### .6 Weapons firing

\_\_\_\_\_  
(Signature and Date)

## 302 SURFACE WARFARE OFFICER (SWO) OFFICER OF THE DECK (OOD) UNDERWAY (CONT'D)

302.3.7 Visit, board, search, and seizure operations

\_\_\_\_\_  
(Signature and Date)

.8 Observe HIFR operations from Helo Control Station

\_\_\_\_\_  
(Signature and Date)

.9 Observe Vertical Replenishment (VERTREP) operations from Helo Control Station

\_\_\_\_\_  
(Signature and Date)

.10 Observe an abandon ship drill at abandon ship station

\_\_\_\_\_  
(Signature and Date)

.11 Observe initiation of an abandon ship drill from the Bridge

\_\_\_\_\_  
(Signature and Date)

COMPLETED .3 AREA COMPRISES 10% OF WATCHSTATION.

## 302 SURFACE WARFARE OFFICER (SWO) OFFICER OF THE DECK (OOD) UNDERWAY (CONT'D)

### 302.4 ABNORMAL CONDITIONS

For the abnormal conditions listed below:

- A. What indications and alarms are received?
- B. What immediate action is required?
- C. What operating limitations are imposed?
- D. What emergencies or malfunctions may occur if immediate action is not taken?
- E. How does this condition affect other operations/equipment/watchstations?
- F. What follow-up action is required?
- G. Satisfactorily perform or simulate the corrective/immediate action for this abnormal condition.

#### 302.4.1 Loss of ship's electrical power

\_\_\_\_\_  
(Signature and Date)

#### .2 Loss of gyros

\_\_\_\_\_  
(Signature and Date)

#### .3 Loss of steering control

\_\_\_\_\_  
(Signature and Date)

#### .4 Loss of boilers

\_\_\_\_\_  
(Signature and Date)

#### .5 Loss of main engines/main propulsion plant

\_\_\_\_\_  
(Signature and Date)

#### .6 Loss of firemain pressure

\_\_\_\_\_  
(Signature and Date)

**302 SURFACE WARFARE OFFICER (SWO) OFFICER OF THE DECK  
(OOD) UNDERWAY (CONT'D)**

302.4.7 Fuel spill

\_\_\_\_\_  
(Signature and Date)

.8 Excessive list

\_\_\_\_\_  
(Signature and Date)

.9 Loss of equipment cooling water

\_\_\_\_\_  
(Signature and Date)

.10 Loss of LP and HP air

\_\_\_\_\_  
(Signature and Date)

.11 Excessive magazine temperature

\_\_\_\_\_  
(Signature and Date)

.12 Weapons handling accident

\_\_\_\_\_  
(Signature and Date)

.13 Heavy/cold weather

\_\_\_\_\_  
(Signature and Date)

.14 Airborne debris (sand, ash, etc.)

\_\_\_\_\_  
(Signature and Date)

COMPLETED .4 AREA COMPRISES 10% OF WATCHSTATION.

## 302 SURFACE WARFARE OFFICER (SWO) OFFICER OF THE DECK (OOD) UNDERWAY (CONT'D)

### 302.5 EMERGENCIES

For the emergencies listed below:

- A. What indications and alarms are received?
- B. What immediate action is required?
- C. What operating limitations are imposed?
- D. What other emergencies or malfunctions may occur if immediate action is not taken?
- E. How does this emergency affect other operations/equipment/ watchstations?
- F. What follow-up action is required?
- G. Satisfactorily perform or simulate the immediate action for this emergency.

#### 302.5.1 Man overboard

\_\_\_\_\_  
(Signature and Date)

#### .2 Collision

\_\_\_\_\_  
(Signature and Date)

#### .3 Grounding

\_\_\_\_\_  
(Signature and Date)

#### .4 Fire

\_\_\_\_\_  
(Signature and Date)

#### .5 Abandon ship

\_\_\_\_\_  
(Signature and Date)

#### .6 Aircraft in water

\_\_\_\_\_  
(Signature and Date)

## 302 SURFACE WARFARE OFFICER (SWO) OFFICER OF THE DECK (OOD) UNDERWAY (CONT'D)

302.5.7 Aircraft crash on deck

\_\_\_\_\_  
(Signature and Date)

.8 Emergency breakaway

\_\_\_\_\_  
(Signature and Date)

.9 Internal explosion

\_\_\_\_\_  
(Signature and Date)

.10 Torpedo evasion

\_\_\_\_\_  
(Signature and Date)

.11 Loss of Sonar Dome Rubber Window (SDRW) pressure

\_\_\_\_\_  
(Signature and Date)

.12 Dud/misfire procedures

\_\_\_\_\_  
(Signature and Date)

COMPLETED .5 AREA COMPRISES 10% OF WATCHSTATION.

**302 SURFACE WARFARE OFFICER (SWO) OFFICER OF THE DECK (OOD) UNDERWAY (CONT'D)**

302.6 WATCHES

STAND THE FOLLOWING WATCHES UNDER QUALIFIED SUPERVISION:

302.6.1 Condition IV (3 times)

\_\_\_\_\_  
(Signature and Date)      (Signature and Date)      (Signature and Date)

.2 Condition III (3 times)

\_\_\_\_\_  
(Signature and Date)      (Signature and Date)      (Signature and Date)

COMPLETED .6 AREA COMPRISES 10% OF WATCHSTATION.

302.7 EXAMINATIONS

(OPTIONAL EXCEPT AS REQUIRED BY TYCOM/ISIC, ETC.)

Pass a written examination

\_\_\_\_\_  
(Signature & Date)

Pass an oral examination board

\_\_\_\_\_  
(Signature & Date)

QUALIFICATION PROGRESS SUMMARY FOR  
SURFACE WARFARE OFFICER

NAME \_\_\_\_\_ RATE/RANK \_\_\_\_\_

This qualification progress summary is used to track the progress of a trainee in the watchstations for this PQS and ensure awareness of remaining tasks. It should be kept by the individual or in the individual's training jacket and updated with an appropriate signature (Training Petty Officer, Division Officer, Senior Watch Officer, etc.) as watchstations are completed.

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SWOSCOLCOM DIVISION OFFICER COURSE (A-4H-0118)

Completed \_\_\_\_\_ Date \_\_\_\_\_  
(Senior Watch Officer)

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BASIC DAMAGE CONTROL (NAVEDTRA 43119-G)

- 301 DAMAGE CONTROL COMMUNICATIONS
- 302 BASIC FIRST AID
- 303 BASIC DAMAGE CONTROL
- 304 BASIC FIREFIGHTING
- 305 FIRE WATCH
- 306 BASIC CHEMICAL, BIOLOGICAL, AND RADIOLOGICAL (CBR) DEFENSE

Completed \_\_\_\_\_ Date \_\_\_\_\_  
(Senior Watch Officer)

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DECK WATCHES IN PORT (NAVEDTRA 43397-C)

- 308 OFFICER OF THE DECK (OOD) IN PORT

Completed \_\_\_\_\_ Date \_\_\_\_\_  
(Senior Watch Officer)

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SMALL BOAT OPERATIONS (NAVEDTRA 43152-D)

- 304 SMALL BOAT OFFICER

Completed \_\_\_\_\_ Date \_\_\_\_\_  
(Senior Watch Officer)

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QUALIFICATION PROGRESS SUMMARY FOR **SURFACE WARFARE OFFICER** (CONT'D)

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SURFACE WARFARE OFFICER (SWO) CICWO/OOD (U/W)

301 SURFACE WARFARE OFFICER (SWO) COMBAT INFORMATION CENTER (CIC) WATCH OFFICER

Completed \_\_\_\_\_ Date \_\_\_\_\_  
(Senior Watch Officer)

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SURFACE WARFARE OFFICER (SWO) ENGINEERING (NAVEDTRA 43101-3E)

301 SURFACE WARFARE OFFICER (SWO) ENGINEERING (STEAM PLANT)

302 SURFACE WARFARE OFFICER (SWO) ENGINEERING (DIESEL PLANT)

303 SURFACE WARFARE OFFICER (SWO) ENGINEERING (GAS TURBINE)

Completed \_\_\_\_\_ Date \_\_\_\_\_  
(Senior Watch Officer)

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SURFACE WARFARE OFFICER (SWO) CICWO/OOD (U/W)

302 SURFACE WARFARE OFFICER (SWO) OFFICER OF THE DECK (OOD) UNDERWAY

Completed \_\_\_\_\_ Date \_\_\_\_\_  
(Senior Watch Officer)

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SURFACE WARFARE OFFICER

Qualified \_\_\_\_\_ Date \_\_\_\_\_  
(Commanding Officer)