Naval Education and Training Command

NAVEDTRA 43512-1
September 2024

PERSONNEL QUALIFICATION STANDARD

FOR

FALL PROTECTION

NAME (Rate/Rank)_____

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.

TABLE OF CONTENTS

ACKNOWLEDGEMENTS

The PQS Development Group gratefully acknowledges the assistance of the following personnel in writing this PQS:

CWO3	Mark LOVE	COMNAVSAFECOM, Norfolk, VA
ETCS(SW/AW)	Brian MCNALLY	COMNAVSAFECOM, Norfolk, VA

The PQS Development Group recognizes the following commands for the time and effort put forth reviewing and providing feedback to improve this standard:

Surface Combat Systems Training Command personnel who provided direct support for this PQS:

Mr.	John HULL	SCSTC PQS Manager
Mr.	Matthew BROWN	PQS&NRTC Program Analyst
Ms.	Michelle CATALLO	PQS&NRTC Program Analyst
Mr.	Jalyn JENKINS	PQS&NRTC Program Support
Ms.	Rolanda THOMAS	PQS&NRTC Program Support
Mr.	Malcolm BELL	PQS&NRTC Program Support

The Model Manager for this PQS:

Commander, Naval Safety Command
375 A Street
Norfolk, VA 23511

E-Mail:
navsafecom_code30_afloat@navy.mil

The Manager for this PQS:

Surface Combat Systems Training Command
5395 First Street
Dahlgren, VA 22448-5200

E-Mail:
scstc_dlgr_pqs@navy.mil

INTRODUCTION

PQS PROGRAM

This PQS program is a qualification system for officers and enlisted personnel where certification of a minimum level of competency is required prior to qualifying to perform specific duties. A PQS is a compilation of the minimum knowledge and skills that an individual must demonstrate in order to qualify to stand watches or perform other specific routine duties necessary for the safety, security or proper operation of a ship, aircraft or support system. The objective of PQS is to standardize and facilitate these qualifications.

CANCELLATION

This standard cancels all locally developed Fall Protection JQRs.

APPLICABILITY

This PQS is applicable to ALNAV.

MODEL MANAGER

The Model Manager Command manages a specific PQS manual. This includes overseeing the process of monitoring and updating assigned PQS manuals from the standpoint of technical content and relevance within the community.

Commander, Naval Safety Command
375 A Street
Norfolk, VA 23511

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/workstations 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 normally be E-5 or above and, as a minimum, must have completed the PQS they are authorized to sign off. The names of designated Qualifiers should be made known to all members of the unit or department. The means of maintaining this listing is at the discretion of individual commands. For more information on the duties and responsibilities of PQS Qualifiers, see the PQS Unit Coordinator's Guide.

CONTENTS

PQS is divided into three sections. The 100 Section (Fundamentals) contains the fundamental knowledge from technical manuals and other texts necessary to satisfactorily understand the watchstation/workstation duties. The 200 Section (Systems) is designed to acquaint you with the systems you will be required to operate at your watchstation/workstation. The 300 Section (Watchstations) lists the tasks you will be required to satisfactorily perform in order to achieve final PQS qualification for a particular watchstation/workstation. All three sections may not apply to this PQS, but where applicable, detailed explanations are provided at the front of each section.

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.

NOTES

Classified references may be used in the development of PQS. If such references are used, do not make notes in this book as answers to questions in this Standard may be classified.

TRAINEE

Your supervisor will tell you which watchstations/workstations you are to complete and in what order. Before getting started, turn to the 300 Section first and find your watchstation/workstation. This will tell you what you should do before starting your watchstation/workstation tasks. You may be required to complete another PQS, a school, or other watchstations/workstations within this package. It will also tell you which fundamentals and/or systems from this package you must complete prior to qualification at your watchstation/workstation. If you have any questions or are unable to locate references, contact your supervisor or qualifier. Good luck!

INTRODUCTION (CONT'D)

PQS FEEDBACK REPORTS

This PQS was developed using information available at the time of writing. When equipment and requirements change, the PQS needs to be revised. The only way the PQS Development Group knows of these changes is by you, the user, telling us either in a letter or via the Feedback Report contained in the back of this book. You can tell us of new systems and requirements, or of errors you find.

SUMMARY OF CHANGES

CHANGES TO FUNDAMENTALS, SYSTEMS, AND WATCHSTATIONS:

Fundamental Title	**Action**	**Comment**
New PQS	N/A	N/A

System Title	**Action**	**Comment**
New PQS	N/A	N/A

Watchstation Title	**Action**	**Comment**
New PQS	N/A	N/A

WATCHSTATION REQUALIFICATIONS

Due to changes in policies, systems, or procedures, personnel dealing with the subject matter of this PQS may be required to requalify IAW NAVEDTRA 43100-1M, Ch. 5, PQS Unit Coordinator's Guide.

The following watchstations regardless of qualifications achieved in previous versions, shall be completed.

None

ACRONYMS USED IN THIS PQS

Not all acronyms or abbreviations used in this PQS are defined here. The Subject Matter Experts from the Fleet who wrote this Standard determined the following acronyms or abbreviations may not be commonly known throughout their community and should be defined to avoid confusion. If there is a question concerning an acronym or abbreviation not spelled out on this page nor anywhere else in the Standard, use the references listed on the line item containing the acronym or abbreviation in question.

N/A

100 INTRODUCTION TO FUNDAMENTALS

100.1 INTRODUCTION

This PQS begins with a Fundamentals section covering the basic knowledge and principles needed to understand the equipment or duties to be studied. Normally, you would have acquired the knowledge required in the Fundamentals section during the school phase of your training. If you have not been to school or if you need a refresher, the references listed at the beginning of each fundamental will aid you in a self-study program. All references cited for study are selected according to their credibility and availability.

100.2 HOW TO COMPLETE

The fundamentals you will have to complete are listed in the watchstation (300 section) for each watchstation. You should complete all required fundamentals before starting the systems and watchstation portions of this PQS, since knowledge gained from fundamentals will aid you in understanding the systems and your watchstation tasks. When you feel you have a complete understanding of one fundamental or more, contact your Qualifier. If you are attempting initial qualification, your Qualifier will expect you to satisfactorily answer all line items in the fundamentals. If you are requalifying or have completed the appropriate schools, your Qualifier may require you to answer representative line items to determine if you have retained the necessary knowledge for your watchstation. If your command requires an oral board or written examination for final qualification, you may be asked any questions from the fundamentals required for your watchstation.

101 SAFETY PRECAUTIONS FUNDAMENTALS

References:

[a] OPNAVINST 3500.39D, Operational Risk Management
[b] OPNAVINST 5100.19F, Navy Safety and Occupational Health Program Manual for Forces Afloat
[c] OPNAV M5100.23, Naval Safety and Occupational Health Program
[d] Local Fall Protection Instruction
[e] Compartment Check-Off List (CCOL)
[f] CSOSS/EOSS/Local Fire Bill Instruction(s)

101.1 Discuss the concept of ORM. [ref. a]

_____
(Signature and Date)

.2 What are the three levels of ORM? [ref. a. Encl (1)]

_____
(Signature and Date)

.3 What are the four principles of ORM? [ref. a. Encl (1)]

_____
(Signature and Date)

.4 Explain the following steps of the ORM process: [ref. a. Encl (1)]
a. Identifying hazards
b. Assessing hazards
c. Making risk decisions
d. Implementing controls
e. Supervising

_____
(Signature and Date)

.5 Discuss the application of ORM in aloft operations [ref. a]

_____
(Signature and Date)

101 SAFETY PRECAUTIONS (CONT'D)

101.6 Name the four steps of the Time Critical Risk Management (TCRM) mnemonic and discuss how they relate to execution of deck operations. [ref. a. Encl (2)]

_____
(Signature and Date)

.7 Review and discuss the following applicable safety topics: [refs. b, c]

a. Basic Safety,
b. Working Over the Side or Aloft, Vertical Trunks
   Aerial Work Platforms; Dry Dock Safety
c. Electrical Safety, Electronic Safety, and Tag-Out Precautions
d. Heat Stress
e. Hazardous Material Control and Management Standards (HMC&M)
f. Noise Abatement and Hearing Conservation
g. Sight Conservation
h. Electrical Safety
i. Non-Ionizing Radiation Safety
j. Tag-Out
k. Personal Protective Equipment (PPE)
l. Fall Protection

_____
(Signature and Date)

.8 Identify the location of firefighting equipment for your spaces. [refs. e, f]]

_____
(Signature and Date)

.9 Identify the location of the nearest first aid boxes and stations. [refs. e, f]

_____
(Signature and Date)

.10 Identify the causes and symptoms of suspension trauma [refs. b, c]

_____
(Signature and Date)

102 FALL PROTECTION FUNDAMENTALS

References:

[a] OPNAVINST 5100.19F, Navy Safety and Occupational Health Program Manual for Forces Afloat
[b] OPNAV M5100.23, Navy Safety and Occupational Health Program Manual
[c] Command Fall Protection Instruction

102.1 Describe the following safety precautions associated with working at height as they relate to your ship or station. [refs. a, b, c]
- a. Minimum height off the deck/ground to be considered a fall protection hazard
- b. The components of a fall arrest system
- c. Certified and non-certified anchor points
- d. Permanent and temporary guardrails/stanchions

_____
(Signature and Date)

.2 Explain the responsibility of the following personnel regarding Fall Protection as applicable to your ship or station. [refs. a, b, c]
- a. Commanding Officer
- b. Fall Protection Program Manager
- c. Competent Person
- d. Fall Protection End User
- e. Combat Systems Officer of the Watch / Combat Systems Duty Officer
- f. Fall Protection Safety Supervisor
- g. Fall Protection Rescue Team

_____
(Signature and Date)

.3 Describe the location and purpose of all Fall Protection rescue equipment at your command. [ref. a, b, c]

_____
(Signature and Date)

.4 Describe the contents of the following Fall Protection program documents: [ref. c]
- a. Fall protection and prevention plan
- b. Fall arrest rescues plan
- c. Site specific fall hazard survey

_____
(Signature and Date)

200 INTRODUCTION TO SYSTEMS

200.1 BASIC BUILDING BLOCKS

In this section, the equipment is broken down into smaller, more comprehensible, functional systems as basic building blocks in the learning process. Each system is written to reflect specific watchstation requirements by identifying the equipment most relevant to one or more designated watchstanders. The less complex systems may be identified and covered quickly or relegated to a lower priority to permit greater emphasis on more significant or complex systems.

200.2 COMPONENTS AND COMPONENT PARTS

For learning purposes each system is disassembled into two levels. Systems have components and components have parts. Do not expect to see every item which appears on a parts list to be in the PQS. Only those items which must be understood for operation/maintenance are listed. Normally a number of very broad (overview) systems are disassembled into their components or parts with the big picture as the learning goal. Items listed as components in such a system may then be analyzed as separate systems and broken down into components and parts. Example: the turbogenerators may be listed as a component of the Ship's Service Electrical Distribution system and then later detailed as an individual system for closer study.

200.3 FORMAT

Each system is organized within the following format:

- It lists the references to be used for study and asks you to explain the function of each system.
- It asks for the static facts of what or where the components and component parts are in relation to the system.
- It directs attention to the dynamics of how the component and component parts operate to make the system function.
- It specifies the parameters that must be immediately recalled.
- It requires study of the relationship between the system being studied and other systems or areas.

200.4 HOW TO COMPLETE

The systems you must complete are listed in the Prerequisites section of each watchstation. When you have mastered one or more systems, contact your Qualifier. The Qualifier will give you an oral examination on each system and, if satisfied you have sufficient knowledge of the system, will sign the appropriate system line items. You will be expected to demonstrate through oral or written examination a thorough understanding of each system required for your watchstation.

201 ACTIVE FALL PROTECTION SYSTEMS

References:

[a] OPNAVINST 5100.19F, Navy Safety and Occupational Health Program Manual for Forces Afloat
[b] OPNAV M5100.23, Naval Safety and Occupational Health Program Manual
[c] Local Fall Protection Instruction

201.1 SYSTEM COMPONENTS AND COMPONENT PARTS

Referring to a standard print of this system or the actual equipment, identify the following system components and component parts and discuss the designated items for each:

A. What are the components?
B. What is its function?

		Questions
201.1.1	Anchorage System [refs. a, b, c]	A B
	a. Permanent Anchorage	A B
	b. Temporary Anchorage	A B
	c. Anchorage Connector	A B

_____
(Signature and Date)

.2	Connecting Means [refs. a, b, c]	A B
	a. Energy-absorbing lanyard	A B
	b. Self-retracting device	A B
	c. Fall arrestor or Lifeline	A B

_____
(Signature and Date)

.3	Body Support [refs. a, b, c]	
	a. Full body harness	
	1. Safety harness	A B
	2. Working lanyard	A B
	3. Trauma straps	A B
	4. Preventer lines	A B

_____
(Signature and Date)

201 ACTIVE FALL PROTECTION SYSTEMS (CONT'D)

201.2 PRINCIPLES OF OPERATION

201.2.1 How do the components work together to achieve the system's function? [refs. a, b, c]

.2 What indications are exhibited if the installed or provided system is or could be unsafe? [refs. a, b, c]

_____
(Signature and Date)

201.3 PARAMETERS/OPERATING LIMITS

For the items listed, answer the following questions:

A. What are the minimum requirements of the system?
B. What is the minimum required breaking strength?
C. What situations would this device be best suited?
D. What is the minimum diameter?
E. What is the maximum required activation distance?

		Questions
201.3.1	Personal Fall Arrest System (PFAS) [refs. a, b, c]	A
a.	Anchorage	B
b.	Anchorage Connector	B
c.	Energy absorbing lanyard (6 foot)	C D
d.	Energy absorbing lanyard (12 foot)	C D
e.	Self-retracting device	E
f.	Carrier sleeve (climber safety sleeve)	E
g.	Full body harness	A C

_____
(Signature and Date)

201.4 SYSTEM INTERFACE

201.4.1 How do the following outside influences affect the operation of this system: [refs. a, b, c]
a. Rain or Sea Water
b. Primer, paint or other chemical agents
c. Excessive heat or cold

_____
(Signature and Date)

201.5 SAFETY PRECAUTIONS – None to be discussed.

202 PASSIVE FALL PROTECTION SYSTEMS

References:

[a] OPNAVINST 5100.19F, Navy Safety and Occupational Health Program Manual for Forces Afloat
[b] OPNAV M5100.23, Naval Safety and Occupational Health Program Manual
[c] Local Fall Protection Instruction

202.1 SYSTEM COMPONENTS AND COMPONENT PARTS

Referring to a standard print of this system or the actual equipment, identify the following system components and component parts and discuss the designated items for each:

A. What are the components?
B. What is its function?
C. Where is the device installed?

		Questions
202.1.1	Passive Fall Protection System [refs. a, b, c]	A
	a. Guardrails, Lifelines and Liferails	A B C
	b. Safety Nets	A B C
	c. Walls, floors, area of isolation	A B C
	d. Temporary Covers and Platforms	A B C
	e. Scaffolding	A B C
	f. Class-specific Systems	A B C

_____
(Signature and Date)

202.2 PRINCIPLES OF OPERATION

202.2.1 How do the components work together to achieve the system's function? [refs. a, b, c]

.2 What indications are exhibited if the installed or provided system is or could be unsafe? [refs. a, b, c]

_____
(Signature and Date)

202 PASSIVE FALL PROTECTION SYSTEMS (CONT'D)

202.3 PARAMETERS/OPERATING LIMITS

For the items listed, answer the following questions:

A. What are the requirements to make this device safe to use?

		Questions
202.3.1	Passive Fall Protection Systems [refs. a, b, c]	A
	a. Guardrails, Lifelines and Liferails	A
	b. Safety Nets	A
	c. Walls, floors, areas of isolation	A
	d. Temporary Covers and Platforms	A
	e. Scaffolding	A
	f. Class-specific systems	A

_____

(Signature and Date)

202.4 SYSTEM INTERFACE

202.4.1 How do the following outside influences affect the operation of this system: [refs. a, b, c]

a. Rain or Sea Water
b. Excessive heat or cold

_____

(Signature and Date)

202.5 SAFETY PRECAUTIONS – None to be discussed.

300 INTRODUCTION TO WATCHSTATIONS

300.1 INTRODUCTION

The Watchstation section of your PQS is where you get a chance to demonstrate to your Qualifier that you can put the knowledge you have gained in the previous sections to use. It allows you to practice the tasks required for your watchstation and to handle abnormal conditions and emergencies. Before starting your assigned tasks, you must complete the prerequisites that pertain to the performance of that particular task. Satisfactory completion of all prerequisites 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 completed before you can begin qualification for a particular watchstation. Prerequisites may include schools, watchstation qualifications from other PQS books, and fundamentals, systems, or watchstation qualifications from this book. Prior to signing off each prerequisite line item, the Qualifier must verify completion from existing records. Record the date of actual completion, not the sign-off date.

- WATCHSTATION Performance, which is the practical factors portion of your qualification. The performance is broken down as follows:

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

If there are multiple watchstations, a QUALIFICATION PROGRESS SUMMARY will appear at the end of the Standard.

300 INTRODUCTION TO WATCHSTATIONS (CONT'D)

300.3 OPERATING PROCEDURES

The PQS deliberately makes no attempt to specify the procedures to be used to complete a task or 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 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 completing the required prerequisites applicable to a particular task, 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. You may then be required to stand a watch or a number of watches to earn qualification. There are two levels of supervision for this:

- Under Instruction: You will perform the duties and tasks of the watchstation under the direct supervision of a qualified watchstander or supervisor. This is intended to be a one-on-one training situation.
- Under qualified supervision: You will perform the duties and tasks of the watchstation with minor guidance from a qualified watchstander or supervisor. This is intended to allow you to develop proficiency in and operational environment with minimal oversight or have a supervisor close at hand if needed.

After all line items have been completed, your Qualifier will verify Final Qualification by signing and dating the Final Qualification pages.

301 FALL PROTECTION END USER

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.

A copy of this completed page shall be kept in the individual's training jacket.

The trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified **FALL PROTECTION END USER (NAVEDTRA 43512-1**).

RECOMMENDED_____ DATE_____
Designated Competent Person

RECOMMENDED_____ DATE_____
Division Officer

RECOMMENDED_____ DATE_____
Department Head

QUALIFIED_____ DATE_____
Commanding Officer or Designated Representative

SERVICE RECORD ENTRY_____ DATE_____

301 FALL PROTECTION END USER

Estimated completion time: 4 weeks

NOTE: TRAINING MUST BE PROVIDED BY A QUALIFIED AND DESIGNATED COMPETENT PERSON. DESIGNATED COMPETENT PERSONS SHALL BE A GRADUATE OF COMPETENT PERSON FALL PROTECTION SCHOOL IAW YOUR UNIT'S APPLICABLE NAVOSH PROGRAM.

301.1 PREREQUISITES

FOR OPTIMUM TRAINING EFFECTIVENESS, THE FOLLOWING ITEMS SHOULD BE COMPLETED PRIOR TO STARTING YOUR ASSIGNED TASKS BUT SHALL BE COMPLETED PRIOR TO FINAL WATCHSTATION QUALIFICATION.

301.1.1 FUNDAMENTALS FROM THIS PQS:

101 Safety Precautions

Completed _____ 5% of Watchstation
(Qualifier and Date)

102 Fall Protection Fundamentals

Completed _____ 5% of Watchstation
(Qualifier and Date)

103 Hazard Zone Fundamentals

Completed _____ 5% of Watchstation
(Qualifier and Date)

.2 SYSTEMS FROM THIS PQS: NONE

201 Active Fall Protection Systems

Completed _____ 5% of Watchstation
(Qualifier and Date)

202 Passive Fall Protection Systems

Completed _____ 5% of Watchstation
(Qualifier and Date)

301 FALL PROTECTION END USER (CONT'D)

301.2 TASKS

For the tasks listed below:

A. What are the steps of this procedure?
B. What are the reasons for each step?
C. What control/coordination is required?
D. What safety precautions must be observed?
E. Satisfactorily perform this task.

		Questions
301.2.1	Demonstrate initial user inspection of all required Fall Protection PPE	A B E
	_____ (Signature and Date)	
.2	Don and demonstrate operation and usage of all Fall Protection PPE In the following situations a. Arial work platforms b. Ship's mast or tower c. Unguarded edge proximity	A B E
	_____ (Signature and Date)	
.3	Review class specific fall hazard survey (if applicable) (3 times)	A B E
	_____ (Signature and Date)	
	_____ (Signature and Date)	
	_____ (Signature and Date)	

301 FALL PROTECTION END USER (CONT'D)

		Questions
301.2.4	Conduct site specific fall hazard survey. (3 times)	A B C D E

_____
(Signature and Date)

_____
(Signature and Date)

_____
(Signature and Date)

.5	Work at height using an Active Fall Protection System (3 times)	A B C D E

_____
(Signature and Date)

_____
(Signature and Date)

_____
(Signature and Date)

COMPLETED .2 AREA COMPRISES 25% OF WATCHSTATION.

301.3 INFREQUENT TASKS

For the infrequent tasks listed below:

A. What are the steps of this procedure?
B. What are the reasons for each step?
C. What control/coordination is required?
D. What means of communications are used?
E. What parameters must be monitored?
F. Satisfactorily perform or simulate this infrequent task.

		Questions
301.3.1	Demonstrate how to deploy and use trauma straps	A B F

_____
(Signature and Date)

.2	Walk through each step of the self-rescue procedure	A B C D E F

_____
(Signature and Date)

301 FALL PROTECTION END USER(CONT'D)

Questions

301.3.3 Walk through each step of the assisted rescue procedure A B C D E F

_____
(Signature and Date)

COMPLETED .3 AREA COMPRISES 20% OF WATCHSTATION.

301.4 ABNORMAL CONDITIONS – None to be discussed

301.5 EMERGENCIES

For the emergencies listed below:

A. What indications are received?
B. What immediate action is required?
C. What are the probable causes?
D. What operating limitations are imposed?
E. What other emergencies may occur if immediate action is not taken?
F. What follow-up action is required?
G. Satisfactorily perform or simulate the immediate action for this emergency.

Questions

301.5.1 Electrical shock while working at height A B C D E F G

_____
(Signature and Date)

.2 Loss of consciousness while working at height A B C D E F G

_____
(Signature and Date)

.3 Fall from height A B C D E F G

_____
(Signature and Date)

COMPLETED .5 AREA COMPRISES 30% OF WATCHSTATION.

301.6 WATCHES – None to be discussed

301 FALL PROTECTION END USER(CONT'D)

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

301.7.1 EXAMINATIONS Pass an oral examination board

_____

(Signature and Date)

302 FALL PROTECTION RESCUE TEAM MEMBER

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.

A copy of this completed page shall be kept in the individual's training jacket.

The trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified **FALL PROTECTION RESCUE TEAM MEMBER (NAVEDTRA 43512-1**).

RECOMMENDED_____ DATE_____
Supervisor

RECOMMENDED_____ DATE_____
Division Officer

RECOMMENDED_____ DATE_____
Department Head

QUALIFIED_____ DATE_____
Commanding Officer or Designated Representative

SERVICE RECORD ENTRY_____ DATE_____

302 FALL PROTECTION RESCUE TEAM MEMBER

Estimated completion time: 4 weeks

302.1 PREREQUISITES

FOR OPTIMUM TRAINING EFFECTIVENESS, THE FOLLOWING ITEMS SHOULD BE COMPLETED PRIOR TO STARTING YOUR ASSIGNED TASKS BUT SHALL BE COMPLETED PRIOR TO FINAL WATCHSTATION QUALIFICATION.

302.1.1 PQS QUALIFICATIONS:

Personnel Working Aloft (NAVEDTRA 43512), 301 Personnel Working Aloft (Afloat units only)

Completed _____
(Qualifier and Date)

.2 WATCHSTATIONS FROM THIS PQS:

Fall Protection (NAVEDTRA 43512-1), 301 Fall Protection End User

Completed _____
(Qualifier and Date)

.3 FUNDAMENTALS FROM THIS PQS:

101 Safety Precautions

Completed _____ 5% of Watchstation
(Qualifier and Date)

102 Fall Protection Fundamentals

Completed _____ 5% of Watchstation
(Qualifier and Date)

103 Hazard Zone Fundamentals

Completed _____ 5% of Watchstation
(Qualifier and Date)

302 FALL PROTECTION RESCUE TEAM MEMBER (CONT'D)

302.1.4 SYSTEMS FROM THIS PQS:

201 Active Fall Protection Systems

Completed _____ 5% of Watchstation
(Qualifier and Date)

202 Passive Fall Protection Systems

Completed _____ 5% of Watchstation
(Qualifier and Date)

302 FALL PROTECTION RESCUE TEAM MEMBER (CONT'D)

302.2 TASKS

For the tasks listed below:

A. What are the steps of this procedure?
B. What are the reasons for each step?
C. What control/coordination is required?
D. What means of communications are used?
E. What safety precautions must be observed?
F. What parameters/operating limits must be monitored?
G. Satisfactorily perform or simulate this task.

		Questions
302.2.1	Demonstrate the procedures for an assisted rescue for personnel suspended in a full body harness	A B C D E F G
	_____ (Signature and Date)	
.2	Demonstrate the methods rescuing personnel in a vertical trunk	A B C D E G
	_____ (Signature and Date)	
.3	Set up rescue equipment for use	A B C E G
	_____ (Signature and Date)	
.4	Demonstrate the methods for contacting jurisdictional public or government emergency response agency as applicable to your command	A B D E G
	_____ (Signature and Date)	

COMPLETED .2 AREA COMPRISES 25% OF WATCHSTATION.

302 FALL PROTECTION RESCUE TEAM MEMBER (CONT'D)

302.3 INFREQUENT TASKS

For the infrequent tasks listed below:

A. What are the steps of this procedure?
B. What are the reasons for each step?
C. What control/coordination is required?
D. What means of communications are used?
E. What is the alarm set point?
F. What parameters must be monitored?
G. How are the monitored parameters changed by this infrequent task?
H. What conditions require this infrequent task?
I. Satisfactorily perform or simulate this infrequent task.

Questions

302.3.1 Demonstrate how to deploy and use fall protection rescue equipment in accordance with the fall protection rescue plan (3 times) — A B C D E F G H I

_____
(Signature and Date)

_____
(Signature and Date)

_____
(Signature and Date)

.2 Participate in an assisted rescue drill — A B C D E F G H I

_____
(Signature and Date)

COMPLETED .3 AREA COMPRISES 20% OF WATCHSTATION.

302.4 ABNORMAL CONDITIONS - None to be discussed

302 FALL PROTECTION RESCUE TEAM MEMBER (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 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. What follow-up action is required?
G. Satisfactorily perform or simulate the immediate action for this emergency.

		Questions
302.5.1	Personnel suspended from a mast, tower or elevated platform	A B C D E F G

_____
(Signature and Date)

.2	Personnel suspended and unconscious	A B C D E F G

_____
(Signature and Date)

.3	Personnel suspended in vertical trunk	A B C D E F G

_____
(Signature and Date)

COMPLETED .5 AREA COMPRISES 20% OF WATCHSTATION.

302.6 WATCHES

302.6.1 STAND THE FOLLOWING WATCHES UNDER INSTRUCTION:

Fall protection rescue team member.

_____
(Signature and Date)

COMPLETED .6 AREA COMPRISES 30% OF WATCHSTATION.

302 FALL PROTECTION RESCUE TEAM MEMBER (CONT'D)

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

302.7.1 EXAMINATIONS Pass an oral examination board

_____

(Signature and Date)

303 FALL PROTECTION SAFETY OBSERVER

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.

A copy of this completed page shall be kept in the individual's training jacket.

The trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified **FALL PROTECTION SAFETY OBSERVER (NAVEDTRA 43512-1**).

RECOMMENDED_____ DATE_____
Supervisor

RECOMMENDED_____ DATE_____
Division Officer

RECOMMENDED_____ DATE_____
Department Head

QUALIFIED_____ DATE_____
Commanding Officer or Designated Representative

SERVICE RECORD ENTRY_____ DATE_____

303 FALL PROTECTION SAFETY OBSERVER

Estimated completion time: 4 Weeks

303.1 PREREQUISITES

FOR OPTIMUM TRAINING EFFECTIVENESS, THE FOLLOWING ITEMS SHOULD BE COMPLETED PRIOR TO STARTING YOUR ASSIGNED TASKS BUT SHALL BE COMPLETED PRIOR TO FINAL WATCHSTATION QUALIFICATION.

303.1.1 PQS QUALIFICATIONS:

Personnel Working Aloft (NAVEDTRA 43512), 301 Personnel Working Aloft (Afloat units only)

Completed _____
(Qualifier and Date)

.2 WATCHSTATIONS FROM THIS PQS:

Fall Protection (NAVEDTRA 43512-1), 301 Fall Protection End User

Completed _____
(Qualifier and Date)

.3 FUNDAMENTALS FROM THIS PQS:

101 Safety Precautions

Completed _____ 5% of Watchstation
(Qualifier and Date)

102 Fall Protection Fundamentals

Completed _____ 5% of Watchstation
(Qualifier and Date)

103 Hazard Zone Fundamentals

Completed _____ 5% of Watchstation
(Qualifier and Date)

303 FALL PROTECTION SAFETY OBSERVER (CONT'D)

303.1.4 SYSTEMS FROM THIS PQS:

201 Active Fall Protection Systems

Completed _____ 5% of Watchstation
(Qualifier and Date)

202 Passive Fall Protection Systems

Completed _____ 5% of Watchstation
(Qualifier and Date)

303 FALL PROTECTION SAFETY OBSERVER (CONT'D)

303.2 TASKS:

For the tasks listed below:

A. What local evolutions might cause site to be unsafe?
B. What components are required?
C. What are the steps of this procedure?

		Questions
303.2.1	Perform pre-inspection of work area	A
	_____ (Signature and Date)	
.2	Verify personnel working at heights have proper PPE	B
	_____ (Signature and Date)	
.3	Conduct safety brief with all participants	A B C
	_____ (Signature and Date)	
.4	Verify communication devices are functioning prior to working at height	B C
	_____ (Signature and Date)	
.5	Perform post-work safety inspection	A B C
	_____ (Signature and Date)	

COMPLETED .2 AREA COMPRISES 25% OF WATCHSTATION.

303.3 INFREQUENT TASKS: - None to be discussed

303 FALL PROTECTION SAFETY OBSERVER (CONT'D)

303.4 ABNORMAL CONDITIONS:

For the abnormal tasks 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.

		Questions
303.4.1	Lost line of sight with maintenance personnel	A B C D E F G H
	_____ (Signature and Date)	
.2	Loss of communications	A B C D E F G H
	_____ (Signature and Date)	
.3	Change in environmental condition	A B C D E F G H
	_____ (Signature and Date)	

COMPLETED .4 AREA COMPRISES 25% OF WATCHSTATION.

303.5 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. What follow-up action is required?
H. Satisfactorily perform or simulate the immediate action for this emergency.

303 FALL PROTECTION SAFETY OBSERVER (CONT'D)

Questions

303.5.1 Respond to personnel casualty A B C D E F G H

_____

(Signature and Date)

COMPLETED .5 AREA COMPRISES 10% OF WATCHSTATION.

303.6 WATCHES

303.6.1 STAND THE FOLLOWING WATCHES UNDER INSTRUCTION:

Fall Protection Safety Observer.

_____

(Signature and Date)

COMPLETED .6 AREA COMPRISES 15% OF WATCHSTATION.

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

303.7.1 EXAMINATIONS Pass an oral examination board

_____

(Signature and Date)

QUALIFICATION PROGRESS SUMMARY FOR FALL PROTECTION

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.

301 FALL PROTECTION END USER

Completed _____ Date_____
(Signature)

302 FALL PROTECTION RESCUE TEAM MEMBER

Completed _____ Date_____
(Signature)

303 FALL PROTECTION SAFETY OBSERVER

Completed _____ Date_____
(Signature)

LIST OF REFERENCES USED IN THIS PQS

OPNAVINST 3500.39D, Operational Risk Management
OPNAVINST 5100.19F, Navy Safety and Occupational Health Program Manual for Forces Afloat
OPNAV M-5100.23, Navy Safety and Occupational Health Program Manual
NAVSEA OP 3565, Volume 1, Rev 7, Electromagnetic Radiation Hazards (Hazards to Personnel, Fuel and Other Flammable Material)
NAVSEA OP 3565, Volume 2, Rev 19, Electromagnetic Radiation Hazards (Hazards to Ordnance)
Compartment Check-Off List (CCOL)
Local Fall Protection Instruction
CSOSS/EOSS/Local Fire Bill Instruction(s)

PERSONNEL QUALIFICATION STANDARD
Feedback Form for NAVEDTRA 43512-1

From_____ Date_____

Via_____ Date_____
Department Head

Activity_____

Mailing Address_____

*Email Address*_____ DSN_____

PQS Title_____ NAVEDTRA_____

Section Affected_____

Page Number(s)_____

For faster response, you may email your feedback to the Commander, Naval Safety Command, VA at: navsafecom_code30_afloat@navy.mil. You may also send feedback to the Commanding Officer, SCSTC, Dahlgren, VA at: scstc_dlgr_pqs@navy.mil Please include the above information so that we may better serve you.

Remarks/Recommendations (Use additional sheets if necessary):

(FOLD HERE)

DEPARTMENT OF THE NAVY

OFFICIAL BUSINESS

COMMANDER
Naval Safety Command
Code 30
375 A Street
Norfolk, VA 23511

(FOLD HERE)