



# PERSONNEL QUALIFICATION STANDARD

## FOR

# ENLISTED FLEET MARINE FORCE (FMF) WARFARE SPECIALIST

# AIR COMBAT ELEMENT (ACE)

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.

# **PREFACE**

Warfare Qualified Sailors are an essential element of our Navy and Marine Corps Operational Primacy. The objective of the Enlisted Fleet Marine Force Warfare Specialist Program is to provide the candidate an introduction into the organization, structure, techniques and topics necessary to support the war fighting requirements of our Navy and Marine Corps. This personnel warfare qualification standard will focus on mission effectiveness, combat readiness and survivability as well as introducing an overall understanding of how an individual unit's mission fits into and supports Naval doctrine and its objectives. Experience shows it is essential that every warrior in our Navy be totally familiar with the mission of their command and be able to apply this knowledge to support the successful execution of the command's current and future missions.

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# **INTRODUCTION**

## **PQS PROGRAM**

This PQS program is a qualification system for Navy enlisted personnel where knowledge and a minimum level of competency are 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 stand watches or perform other specific routine duties. The objective of PQS is to standardize and facilitate these qualifications.

## **CANCELLATION**

This Standard cancels and supersedes NAVEDTRA 43908-B.

## **APPLICABILITY**

This PQS is applicable to all enlisted personnel serving in Marine Corps units that are authorized to grant Enlisted Fleet Marine Force Warfare Specialist designations.

## **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. The Model Manager for this PQS manual is 2d Marine Aircraft Wing (2d MAW).

## **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.

## **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 Management Guide.

## **INTRODUCTION (CONT'D)**

### **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/Mission Areas) 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; 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 mission areas 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!

### **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 of us new systems and requirements, or of errors you find.

## 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 or anywhere else in the Standard, use the references listed on the line item containing the acronym or abbreviation in the question.

ACE	Air Combat Element
FOD	Foreign Object Damage
H&HS	Headquarters and Headquarters Service
LAAD	Low Altitude Air Defense
MACG	Marine Air Control Group
MACS	Marine Air Control Squadron
MAG	Marine Aircraft Group
MALS	Marine Aviation Logistics Squadron
MASS	Marine Air Support Squadron
MAW	Marine Aircraft Wing
MAGTF	Marine Air-Ground Task Force
MTACS	Marine Tactical Air Control Squadron
MWCS	Marine Wing Communication Squadron
MWHS	Marine Wing Headquarters Squadron
MWSG	Marine Wing Support Group
MWSS	Marine Wing Support Squadron
NATOPS	Naval Air Training and Operating Procedures Standardization

## 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.



## 122 AIR COMBAT ELEMENT (ACE), MARINE CORPS AVIATION FUNDAMENTALS

### References:

- [a] Fleet Marine Force Manual (FMFM)
  - [b] Joint Publication 1-02
  - [c] MCRP 5-12D, Organization of Marine Corps Forces (PCN 14400005000)
  - [d] MCRP 5-12C, Marine Corps Supplement to the DoD Dictionary of Military and Associated Terms (PCN 14400005600)
- 

122.1 Define the primary mission of the Marine Corps Aviation. [ref. c, p. 3-1]

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(Signature and Date)

122.2 Define the collateral mission of Marine Corps Aviation. [ref. c, p. 3-1]

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122.3 Discuss the expeditionary aspects of Marine Corps Aviation. [ref. c, p. 3-1]

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

122.4 Define the following Marine Air-Ground Task Force (MAGTF) aviation functional areas and discuss their associated missions and subcategories: [ref. a; ref. b; ref. c, pp. 3-1]

- a. Offensive Air Support (OAS)
- b. Anti-Air Warfare (AAW)
- c. Assault Support
- d. Air Reconnaissance
- e. Electronic Warfare (EW)
- f. Control of Aircraft and Missiles

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(Signature and Date)

122.5 Define the organizational structure of the following MAWs and discuss their corresponding headquarters and their location. [ref. c, pp. 3-3 to 3-7]

- a. 1<sup>st</sup> MAW
- b. 2D MAW
- c. 3D MAW
- d. 4<sup>th</sup> MAW

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(Signature and Date)

## **123 AIR COMBAT ELEMENT (ACE), MARINE WING HEADQUARTERS SQUADRON (MWHS) FUNDAMENTALS**

123.1 Define the mission of a Marine Wing Headquarters Squadron (MWHS). [ref. a, p. 3-8]

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(Signature and Date)

123.2 Discuss the four primary tasks of an MWHS. [ref. a, p. 3-8]

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(Signature and Date)

123.3 Discuss the following logistic capabilities of an MWHS: [ref. a. p. 3-9]

- a. Maintenance
- b. Supply
- c. Medical
- d. Transportation
- e. Messing
- f. Selected Items of Equipment

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(Signature and Date)

## 124 AIR COMBAT ELEMENT (ACE), MARINE AIR CONTROL GROUP (MACG) FUNDAMENTALS

References:

[a] MCRP 5-12D, Organization of the Marine Corps Forces (PCN 14400005000)

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124.1 Define the mission of a Marine Air Control Group (MACG). [refs. a, p. 3-9]

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(Signature and Date)

124.2 Discuss organizational structure of a MACG. [refs. a, p. 3-10]

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(Signature and Date)

124.3 Define the mission of a MACG Headquarters. [ref. a, p. 3-10]

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(Signature and Date)

124.4 Discuss the nine tasks of a MACG Headquarters. [ref. a, p. 3-10, 3-11]

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124.5 Define the mission of a Marine Tactical Air Control Squadron (MTACS). [ref. a, p. 3-11]

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(Signature and Date)

124.6 Discuss the nine tasks of a MTACS. [ref. a, p. 3-11, 3-12]

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(Signature and Date)

124.7 Define the mission of a Marine Air Control Squadron (MACS). [ref. a, p. 3-12]

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(Signature and Date)

124.8 Discuss the six tasks of an MACS. [ref. a, p. 3-12]

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(Signature and Date)

## **124 AIR COMBAT ELEMENT (ACE), MARINE AIR CONTROL GROUP (MACG) FUNDAMENTALS (CONT'D)**

124.9 Discuss the organizational structure of the following: [ref. a. p. 3-13, 14]

- a. MACS
- b. MACS (REIN)

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(Signature and Date)

124.10 Define the mission of a Marine Wing Communication Squadron (MWCS). [ref. a, p. 3-14]

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(Signature and Date)

124.11 Discuss the twelve tasks of a MWCS. [ref. a, p. 3-14, 15]

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(Signature and Date)

124.12 Define the mission of a Marine Air Support Squadron (MASS). [ref. a, p. 3-16]

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(Signature and Date)

124.13 Discuss the seven tasks of a MASS. [ref. a, p. 3-16, 17]

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(Signature and Date)

124.14 Define the mission of a Low Altitude Air Defense (LAAD). [ref. a, p. 3-17]

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(Signature and Date)

124.15 Discuss the six tasks of a LAAD. [ref. a, p. 3-17]

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(Signature and Date)

124.16 Discuss the organizational structure of a LAAD. [ref. a, p. 3-17, 19]

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(Signature and Date)

124.17 State the primary and secondary weapons of a LAAD. [refs. a, p. 3-19]

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(Signature and Date)

## 125 AIR COMBAT ELEMENT (ACE), MARINE AIRCRAFT GROUP (MAG) FUNDAMENTALS

References:

[a] NTPP 3-22.3-MV22, 1-1, 1.2, JUNE 2013

[b] MCPR 5-12D, Organization of the Marine Corps Forces (PCN14400005000)

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125.1 Define the primary missions of the following Marine Aircraft Groups (MAGs). [refs. a, p. 3-18, 3-19]

- a. MAG Rotary (VH)
- b. MAG Fixed Wing VF/VA

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(Signature and Date)

125.2 Define the mission of a MAG Headquarters. [ref. a, pp. 3-19, 3-20]

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(Signature and Date)

125.3 Discuss the five tasks of a MAG Headquarters. [ref. a, p. 3-20]

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(Signature and Date)

125.4 Discuss the organizational structure of the following: [ref. a, pp. 3-18, 3-21]

- a. MAG VH
- b. MAG VF/VA

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(Signature and Date)

125.5 Define the mission of a Marine Aviation Logistics Squadron (MALS). [ref. a, p. 3-22]

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125.6 Discuss the nine tasks of a MALS. [ref. a, p. 3-22]

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(Signature and Date)

125.7 Define the mission of a Marine Aerial Re-Fueler/Transport (VMGR) Squadron. [ref. a, p. 3-23]

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(Signature and Date)

## **125 AIR COMBAT ELEMENT (ACE), MARINE AIRCRAFT GROUP (MAG) FUNDAMENTALS (CONT'D)**

125.8 Define the seven tasks of a VGMR Squadron. [ref. a, p. 3-23]

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(Signature and Date)

125.9 State the type (s) and quantity of aircraft assigned to a VGMR Squadron. [ref. a, p. 3-23]

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(Signature and Date)

125.10 Define the mission of a Marine Tactical EW (VMAQ) Squadron. [ref. a, p. 3-23]

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(Signature and Date)

125.11 Discuss the seven tasks of a VMAQ Squadron. [ref. a, p. 3-23, 3-24]

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(Signature and Date)

125.12 State the type (s) and quantity of aircraft assigned to a VMAQ Squadron. [ref. a, p. 3-24]

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(Signature and Date)

125.13 Define the mission of a Marine Unmanned Aerial Vehicle (VMU) Squadron. [ref. a, p. 3-24]

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(Signature and Date)

125.14 Discuss the seven tasks of a VMU Squadron. [ref. a, p. 3-24]

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(Signature and Date)

125.15 State the type of system used and the quantity of Unmanned Aerial Vehicles (UAVs) assigned to a VMU Squadron.  
[ref. a, p. 3-24]

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(Signature and Date)

125.16 Define the mission of a Marine Fighter Attack (VMFA) Squadron. [ref. a, p. 3-24]

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(Signature and Date)

125.17 Discuss the eight tasks of a VMFA Squadron. [ref. a, p. 3-25]

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(Signature and Date)

## **125 AIR COMBAT ELEMENT (ACE), MARINE AIRCRAFT GROUP (MAG) FUNDAMENTALS (CON'T)**

125.18 State the type (s) and quantity of aircraft assigned to a VMFA Squadron. [ref. a, p. 3-25]

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(Signature and Date)

125.19 Define the mission of a VMFA All Weather (AW) Squadron. [ref. a, p. 3-26]

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(Signature and Date)

125.20 Discuss the eleven tasks of a VMFA All Weather (AW). [ref. a, p. 3-26]

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(Signature and Date)

125.21 State the type (s) and quantity of aircraft assigned to a VMFA (AW) Squadron. [ref. a, p. 3-26]

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(Signature and Date)

125.22 Define the mission of a Marine Attack (VMA) Squadron. [ref. a, p. 3-26, 3-27]

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(Signature and Date)

125.23 Discuss the eight tasks of a VMA Squadron. [ref. a, p. 3-27]

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(Signature and Date)

125.24 State the type (s) and quantity of aircraft assigned to a VMA Squadron. [ref. a, p. 3-27]

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(Signature and Date)

125.25 Define the mission of the following Marine Heavy Helicopter (HMH) Squadrons. [ref. a, p. 3-27, 3-28]

- a. HMH (CH-53D)
- b. HMH (CH-53E)

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(Signature and Date)

125.26 Discuss the twelve tasks of an HMH (CH-53D) Squadron. [ref. a, p. 3-27, 3-28]

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(Signature and Date)

## **125 AIR COMBAT ELEMENT (ACE), MARINE AIRCRAFT GROUP (MAG) FUNDAMENTALS (CON'T)**

125.27 Discuss the twelve tasks of an HMH (CH-53E) Squadron. [ref. a, p. 3-28, 3-29]

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(Signature and Date)

125.28 State the quantity of aircraft assigned to the following Squadrons. [ref. a, p.3-28, 3-29]

- a. HMH (CH-53D)
- b. HMH (CH-53E)

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(Signature and Date)

125.29 Define the mission of a Marine Medium Tilt-Rotor (VMM) Squadron. [ref. a, p. 3-29]

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(Signature and Date)

125.30 Discuss the ten tasks of a VMM Squadron. [ref. a, p. 3-29]

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(Signature and Date)

125.31 State the type (s) and quantity of aircraft assigned to a VMM Squadron. [ref. a, p. 3-29, 3-30]

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(Signature and Date)

125.32 Define the mission of a Marine Light/Attack Helicopter (HMLA) Squadron. [ref. a, p. 3-30]

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(Signature and Date)

125.33 Discuss the twelve tasks of the utility helicopter assigned to an HMLA Squadron. [ref. a, p. 3-30]

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125.34 Discuss the eleven tasks of the attack helicopter assigned to an HMLA Squadron. [ref. a, p. 3-30, 3-31]

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(Signature and Date)

125.35 State the type (s) and quantity of aircraft assigned to an HMLA Squadron. [ref. a, p. 3-31]

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(Signature and Date)



## 126 AIR COMBAT ELEMENT (ACE), MARINE WING SUPPORT GROUP (MWSG) FUNDAMENTALS

References:

[a] MCRP 5-12D, Organization of the Marine Corps Forces (PCN 14400005000)

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126.1 Define the mission of a Marine Wing Support Group (MWSG). [ref. a, p. 3-32]

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126.2 Discuss the organizational structure of an MWSG. [ref. a, p. 3-32]

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(Signature and Date)

126.3 Define the mission of a Headquarters and Headquarters Service (H&HS) Squadron. [ref. a, p. 3-32]

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126.4 Discuss the two tasks of an H&HS Squadron. [ref. a, p. 3-32]

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(Signature and Date)

126.5 Define the mission of a Marine Wing Support Squadron (MWSS). [ref. a, p. 3-33]

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(Signature and Date)

126.6 Discuss the thirteen tasks of an MWSS. [ref. a, p. 3-33]

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(Signature and Date)

## 127 AIR COMBAT ELEMENT (ACE), MARINE CORPS AVIATION SAFETY FUNDAMENTALS

### References:

- [a] OPNAVINST 3750.6S, Naval Aviation Safety Program
  - [b] OPNAVINST 3710.7U, NATOPS General Flight and Operating Instructions
  - [c] NAVEDTRA 14020, Aviation Structural Mechanic
  - [d] U. S. Naval Flight Surgeon's Manual, 3<sup>rd</sup> Edition
  - [e] NAVEDTRA 14014, Airman
  - [f] COMNAVAIRFORINST 4790.2B CH-1, Chapter 10 Pg. 10-169
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127.1 Define Naval Aviation Mishap. [ref. a, p. 3-5, par. 305.a]

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(Signature and Date)

127.2 Explain the following mishap severity classes based on personal injury and property damage. [ref. a, p. 3-13]

- a. Class A
- b. Class B
- c. Class C
- d. Class D

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127.3 Explain and discuss the purpose of the NATOPS program. [ref. b, p. 1-1]

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(Signature and Date)

127.4 Explain and discuss how the following are addressed in the OPNAVINST 3710.7U: [ref. b, ch. 8, p. 8-15 thru 8-9]

- a. Crew Rest
- b. Flight Time
- c. Nutrition
- d. Drugs
- e. Alcohol
- f. Tobacco
- g. Caffeine

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(Signature and Date)

127.5 Discuss the following types of oxygen used in Naval Aviation: [ref. c, p. 4-2]

- a. Type I
- b. Type II
- c. Technical Oxygen

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(Signature and Date)

## **127 AIR COMBAT ELEMENT (ACE), MARINE CORPS AVIATION SAFETY FUNDAMENTALS (CONT'D)**

127.6 Explain & discuss the following signs, symptoms, and treatment of altitude hypoxia: [ref. d, ch. 1]

- a. Indifferent Stage
- b. Compensatory Stage
- c. Disturbance Stage
- d. Critical Stage
- e. Treatment & Hypoxia Stage

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(Signature and Date)

127.7 Explain the following primary forces affecting flight. [ref. e, p. 3-3, 3-4]

- a. Lift
- b. Weight
- c. Thrust
- d. Drag

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(Signature and Date)

127.8 Explain the purpose of the auxiliary power unit. [ref. e, p. 7-4]

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(Signature and Date)

127.9 Define the following armament: [ref. e, ch. 8]

- a. Bombs
- b. Rockets
- c. Missiles

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(Signature and Date)

127.10 Discuss the purpose of the foreign Object Damage (FOD) prevention program. [ref. f, p. 10-169]

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(Signature and Date)

## **200 INTRODUCTION TO SYSTEMS and/or Mission Areas**

### **200.1 BASIC BUILDING BLOCKS**

In this section, the system and/or mission area is broken down into smaller, more comprehensible, functional systems as basic building blocks in the learning process. Each system/mission area is written to reflect specific warfare specialist requirements by identifying the equipment most relevant.

### **200.2 SYSTEMS AND SYSTEM PARTS**

For learning purposes each system/mission area is disassembled into two levels. Mission areas have systems and systems 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 are listed. Normally a number of very broad (overview) mission areas are disassembled into their systems or system parts with the big picture as the learning goal.

### **200.3 FORMAT**

Each system/mission area 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/mission area.
- ☐ It asks for the static facts of what or where the system and system parts are in relation to the system/mission area.
- ☐ It directs attention to the dynamics of how the system and system parts operate to make the system/mission area function.
- ☐ It specifies the parameters that must be immediately recalled.
- ☐ It requires study of the relationship between the system/mission area being studied and other systems/mission areas.

### **200.4 HOW TO COMPLETE**

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

### **200.5 NOTHING TO DISCUSS.**

## **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
  - Examinations

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

## **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.

## FINAL QUALIFICATION

NAVEDTRA 43908-2

### 303 ENLISTED FLEET MARINE FORCE (FMF) WARFARE SPECIALIST (ACE)

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 qualification section is to be kept in the individuals training jacket.

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The trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified ENLISTED FLEET MARINE FORCE (FMF) WARFARE SPECIALIST AIR COMBAT ELEMENT (NAVEDTRA 43908-2B).

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

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

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

QUALIFIED \_\_\_\_\_ DATE \_\_\_\_\_  
Commanding Officer

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

## WATCHSTATION 303

### 303 ENLISTED FLEET MARINE FORCE (FMF) ENLISTED WARFARE SPECIALIST AIR COMBAT ELEMENT (ACE) (CONT'D)

Estimated completion time: 6 months

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NOTE: THIS PQS WATCHSTATION IS THE AIR COMBAT ELEMENT (ACE) PLATFORM FOR THE EFMFWS. THE EFMFWS CORE PQS MUST ALSO BE COMPLETED FOR QUALIFICATION.

#### 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 WATCHSTATIONS FROM THIS PQS:

301 Fleet Marine Force (FMF) Enlisted Warfare Specialist

Completed \_\_\_\_\_ 16 % of Watchstation  
(Qualifier and Date)

##### 303.2 FUNDAMENTALS FROM THIS PQS:

122 Air Combat Element (ACE), Marine Corps Aviation Fundamentals

Completed \_\_\_\_\_ 14% of Watchstation  
(Qualifier and Date)

123 Air Combat Element (ACE), Marine Wing Headquarters Squadron Fundamentals

Completed \_\_\_\_\_ 14% of Watchstation  
(Qualifier and Date)

124 Air Combat Element (ACE), Marine Air Control Group Fundamentals

Completed \_\_\_\_\_ 14% of Watchstation  
(Qualifier and Date)

125 Air Combat Element (ACE), Marine Aircraft Group Fundamentals

Completed \_\_\_\_\_ 14% of Watchstation  
(Qualifier and Date)

126 Air Combat Element (ACE), Marine Wing Support Group Fundamentals

Completed \_\_\_\_\_ 14% of Watchstation  
(Qualifier and Date)

127 Air Combat Element (ACE), Marine Corps Aviation Safety Fundamentals

Completed \_\_\_\_\_ 14% of Watchstation  
(Qualifier and Date)



### 303 FLEET MARINE FORCE (FMF) ENLISTED WARFARE SPECIALIST AIR COMBAT ELEMENT (ACE) (CONT'D)

#### 303.2 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 communication are used?
- e. What safety precautions must be observed?
- f. Satisfactory perform this task.

#### Questions

A B C D E F

303.2.1 State organizational structure of Marine Aircraft Wing.

F

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

303.2.2 State organizational structure of a Marine Air Control Group.

F

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

303.2.3 State organizational structure of a Marine Air Control Squadron.

F

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

303.2.4 State organizational structure of Low Altitude Air Defense Battalion.

F

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

303.2.5 State organizational structure of Marine Aircraft Group Rotary-wing.

F

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

303.2.6 State organizational structure of Marine Aircraft Group Fixed-wing.

F

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

303.2.7 State organizational structure of Marine Aircraft Group Tilt-rotor.

F

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

**303 FLEET MARINE FORCE (FMF) ENLISTED WARFARE SPECIALIST AIR COMBAT ELEMENT (ACE) (CONT'D)**

COMPLETED AREA COMPRISES 100% OF WATCHSTATION.

303.3 ABNORMAL CONDITIONS – None to be discussed.

303.4 EMERGENCIES – None to be discussed.

303.5 WATCHES – None.

303.6 EXAMINATIONS

Pass a written examination on Core Requirements.

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

303.6.1 EXAMINATIONS

Pass a written examination on ACE Requirements.

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

303.6.2 EXAMINATIONS

Pass an oral examination board.

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

**QUALIFICATION PROGRESS SUMMARY FOR ENLISTED FLEET MARINE FORCE (FMF) WARFARE SPECIALIST**

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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301 ENLISTED FLEET MARINE FORCE (FMF) ENLISTED WARFARE SPECIALIST CORE REQUIREMENTS

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

303 FLEET MARINE FORCE (FMF) ENLISTED WARFARE SPECIALIST AIR COMBAT ELEMENT (ACE)

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

## **LIST OF REFERENCES USED IN THIS PQS**

Fleet Marine Force Manual (FMFM)  
Joint Publication 1-02  
MCRP 5-12D, Organization of Marine Corps Forces (PCN 14400005000)  
MCRP 5-12C, Marine Corps Supplement to the DoD Dictionary of Military and Associated Terms (PCN 14400005600)  
NTTP 3-22.3-MV22, 1-1, 1.2, JUNE 2013  
OPNAVINST 3750.6S, Naval Aviation Safety Program  
OPNAVINST 3710.7U, NATOPS General Flight and Operating Instructions  
NAVEDTRA 14020, Aviation Structural Mechanic  
U. S. Naval Flight Surgeon's Manual, 3<sup>rd</sup> Edition  
NAVEDTRA 14014, Airman  
[COMNAVAIRFORINST 4790.2B CH-1, Chapter 10 Pg. 10-169]



## ACE GUIDE

THE FMF PROGRAM IN MARFORRES IS THE RESPONSIBILITY OF THE COMMAND MASTER CHIEF

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