



# PERSONNEL QUALIFICATION STANDARD

FOR

## ENLISTED AVIATION WARFARE SPECIALIST (EAWS), UNIT SPECIFIC FOR CV/CVN

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

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## PREFACE

Warfare Qualified Sailors are an essential element of our Navy's Operational Primacy. The objective of the Enlisted Aviation Warfare Specialist Program is to provide the candidate an introduction into the processes and topics necessary to support the warfighting requirements of our Navy. 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 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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## ACKNOWLEDGEMENTS (CONT'D)

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# 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 and supersedes NAVEDTRA 43423-D.

## APPLICABILITY

This PQS is applicable to all enlisted personnel serving in CV/CVN surface units and which are authorized to grant Enlisted Aviation Warfare Specialist designations IAW OPNAVINST 1414.2 (series).

## 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 or book learning necessary for satisfactory understanding of 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 to the workshop, however, the most current references available should be used when qualifying with this Standard. 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!

### 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 nor anywhere else in the Standard, use the references listed on the line item containing the acronym or abbreviation in question.

AAE	Aircraft Armament Equipment
AESR	Aeronautical Equipment Service Record
AESS	Aircraft Electrical Servicing Station
AIMD	Aircraft Intermediate Maintenance Department
ALBAR	Adjustable Length Towbar
ALREMP	Aircraft Launch and Recovery Maintenance Program
ALSS	Aviation Life Support System
AMRR	Aircraft Material Readiness Report
AMSU	Aeronautical Material Screening Unit
ATO	Air Transfer Officer
AVCAL	Aviation Consolidated Allowance List
AWP	Awaiting Parts
BMOW	Boatswain's Mate of the Watch
CATCC	Carrier Air Traffic Control Center
CCA	Carrier Control Approach
CDC	Combat Direction Center
CIWS	Close-In Weapons System
COVER	Electromagnetic Coverage
CVIC	Carrier Intelligence Center
DCU	Document Control Unit
ECM	Electromagnetic Countermeasures
EMCON	Emissions Control
EOD	Explosive Ordnance Disposal
ERT	Emergency Reclamation Team
FEDLOG	Federal Logistics
FLOLS	Fresnel Lens Optical Landing System
GFMP	Geophysics Fleet Mission Program Library
HERO	Hazards of Electromagnetic Radiation to Ordnance
ICCS	Integrated Catapult Control System
ILARTS	Integrated Launch and Recovery Television System
LOSS	Electromagnetic Path Loss
LRCA	Local Repair Cycle Assets
LSO	Landing Signal Officer
MEPP	Mobile Electronic Power Plant
METOC	Meteorology and Oceanography
MOVLAS	Manually Operated Landing Aids System

## ACRONYMS USED IN THIS PQS (CONT'D)

NATO	North Atlantic Treaty Organization
PALS	Precision Approach and Landing System
PMU	Program Management Unit
QMOW	Quartermaster of the Watch
RO	Reactor Officer
RCU	Requisition Control Unit
SEAOPDET	Sea Operational Detachment
SSU	Supply Screening Unit
TRU	Technical Research Unit

## 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 before signing off completion of that fundamental. 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 CARRIER SHIPBOARD FUNDAMENTALS

### References:

- [a] The Bluejacket's Manual (Twenty-First Edition)
  - [b] NAVEDTRA 12147, Engineering Administration
  - [c] NAVEDTRA 12360-A, Aviation Boatswain's Mate E, 3 & 2
  - [d] NAVEDTRA 12149, Engineman 2
  - [e] NAVEDTRA 12001, Fireman
  - [f] NAVEDTRA 10539, Engineman 3
  - [g] NAVEDTRA 12016, Seaman
  - [h] NAVEDTRA 12100, Boatswain's Mate
  - [i] NAVEDTRA 10276-1, Fire Controlman Third Class
  - [j] OPNAVINST 3120.32, Standard Organization and Regulations Manual of the U. S. Navy (SORM)
  - [k] NAVEDTRA 12120, Quartermaster
- 

### The following questions apply to engineering:

101.1 Briefly describe the general duties and responsibilities of each of the following:

- a. Reactor Officer (RO) [ref. a, p. 311]
- b. Engineering Officer (CHENG) [ref. b, pp. 1-6, 1-7]
- c. Main Propulsion Assistant (MPA) [ref. b, p. 1-9]
- d. Damage Control Assistant (DCA) [ref. b, pp. 1-9, 1-10]

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.2 Discuss how steam is supplied to the catapult systems. [ref. c, p. 4-1]

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.3 Discuss the source of the following types of compressed air: [ref. d]

- a. High Pressure (HP) [p. 6-4]
- b. Ship's service Low Pressure (LP) [p. 6-1]

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**101 CARRIER SHIPBOARD FUNDAMENTALS (CONT'D)**

101.4 Discuss the function of the following major components: [ref. e]

- a. Ship's service/emergency generators [pp. 12-3, 12-5]
- b. Switchboards [p. 12-7]
- c. Boilers [p. 4-1]
- d. Evaporators [p. 10-5]
- e. Steam turbine, gear drive [p. 8-2]

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.5 State the purpose of the electrohydraulic steering gear. [ref. f, p. 18-2]

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(Signature and Date)

**The following questions apply to deck/navigation:**

.6 Describe the purpose of the following as applied to ground tackle: [ref. g]

- a. Bit [p. 4-18]
- b. Chock [p. 4-18]
- c. Cleat [p. 4-18]
- d. Capstan [p. 4-12]
- e. Chain marking [p. 4-7]
- f. Anchor [p. 4-1]
- g. Chain stopper [p. 4-6]
- h. Pelican hook [p. 4-6]
- i. Wildcat [p. 4-9]
- j. Anchor brake [p. 4-9]

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.7 Discuss the following terms in regard to Replenishment at Sea (RAS): [ref. h, p. 10-1]

- a. Underway Replenishment (UNREP)
- b. Vertical Replenishment (VERTREP)
- c. Connected Replenishment (CONREP)

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## 101 CARRIER SHIPBOARD FUNDAMENTALS (CONT'D)

101.8 Discuss abandon ship procedures, including the following:

- a. Who orders abandon ship [ref. a, p. 444]
- b. Word to be passed [ref. j, p. 6-246]
- c. Actions of the crew [ref. a, p. 443]
- d. Life rafts [ref. a, p. 443]

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.9 Explain the duties of the following bridge watch personnel: [ref. k]

- a. Officer of the Deck (OOD) [p. 11-21]
- b. Conning Officer [p. 11-24]
- c. Boatswain's Mate of the Watch (BMOW) [p. 11-24]
- d. Helmsman/Lee helmsman [p. 11-24]
- e. Lookouts [p. 11-24]
- f. Quartermaster of the Watch (QMOW) [p. 11-23]

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.10 Discuss the differences between emergency and standard breakaway. [ref. h, p. 10-24]

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(Signature and Date)

.11 State the purpose of the following:

- a. Special sea and anchor detail [ref. j, p. 6-210]
- b. Low visibility detail [ref. j, p. 4-34]
- c. Flight quarters [ref. j, pp. 6-121 thru 6-123]
- d. Restricted maneuvering [ref. k, p. 4-41]

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.12 State the three common types of man-overboard recovery. [ref. a, p. 439]

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(Signature and Date)

**101 CARRIER SHIPBOARD FUNDAMENTALS (CONT'D)**

**The following questions apply to communications:**

- 101.13 Discuss the purpose of the following visual communications: [ref. a]
- a. Flags/pennants/day shapes [p. 597]
  - b. Flashing light (directional/omni-directional) [p. 595]
  - c. Semaphore [p. 596]

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**The following questions apply to operations:**

- .14 Discuss the purpose of the ship's navigation radar: [ref. i, p. 3-4]

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**The following questions apply to administration:**

- .15 State the purpose of the following bills: [ref. j]
- a. Administrative [p. 6-2]
  - b. Operational [p. 6-94]
  - c. Emergency [p. 6-228]
  - d. Special [p. 6-279]
  - e. Watch, quarter and station [p. 6-1]

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## 102 AIR DEPARTMENT FUNDAMENTALS

### References:

- [a] NAVEDTRA 12000, Airman
  - [b] NAVEDTRA 12368, Aviation Boatswain's Mate H, 3 & 2
  - [c] COMNAVAIRLANT/COMNAVAIRPACINST 3100.4B, Air Department Standard Operating Procedures (SOPs)
  - [d] NAVEDTRA 12360-A, Aviation Boatswain's Mate E, 3 & 2
  - [e] NAVEDTRA 12364, Aviation Boatswain's Mate F
  - [f] NAVAIR 00-80T-105, CV NATOPS Manual
  - [g] Naval Air Warfare Center Visual Landing Aids General Service Bulletin, Nr. 8 (Rev. L)
  - [h] NAVAIR AE-CVATC-OPM-000, Carrier Air Traffic Control Handbook
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102.1 Describe what constitutes a full flight deck uniform. [ref. a, p. 9-45]

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.2 Discuss the purpose of a conflagration station. [ref. b, p. 5-8]

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.3 What is the purpose of hangar deck ballistic/deck edge doors? [ref. b, p. 5-9]

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.4 Define the term flight quarters. [ref. c, p. 2-1]

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.5 Describe alert conditions for fixed-wing aircraft and helicopters. [ref. f, p. 4-17]

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## 102 AIR DEPARTMENT FUNDAMENTALS (CONT'D)

102.6 Discuss the following aircraft handling equipment: [ref. b]

- a. TD-1A/B tiedown chain [p. 2-24]
- b. Adjustable Length Towbar (ALBAR) [p. 2-26]
- c. NWC-4 universal wheel chock [p. 2-23]

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.7 State the minimum personnel required to move an aircraft. [ref. c, pp. 4-3, 4-4]

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.8 Explain the functions of personnel wearing the following colored jerseys on the flight deck: [ref. f, p. 2-3]

- a. Yellow
- b. Blue
- c. Red
- d. Green
- e. Purple
- f. Brown
- g. White

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.9 Explain the function of personnel wearing the following flight deck gear: [ref. f, pp. 2-3, 2-4]

- a. White jersey with red cross
- b. Green jersey with red cranial
- c. Red jersey with black stripes
- d. Cranial with three orange stripes
- e. Yellow jersey with blue vest
- f. White jersey, no cranial
- g. White jersey with green cross

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## 102 AIR DEPARTMENT FUNDAMENTALS (CONT'D)

102.10 Explain the following flight deck equipment markings, the purpose of each, and the related safety precautions: [ref. g]

- a. Foul line [p. 6]
- b. Jet Blast Deflector (JBD) [p. 7]
- c. Elevators [p. 7]
- d. Stanchions [p. 7]
- e. Safe launch line [p. 7]
- f. Deck edge scupper [p. 8]
- g. Barricade stanchion [p. 7]
- h. Bomb jettison ramps [p. 8]
- i. Access ladders [p. 8]
- j. Ordnance elevator [p. 7]
- k. Retractable sheave [p. 7]

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.11 State the purpose of the following flight deck edge scupper markings and describe the appearance of each: [ref. g]

- a. Catapult steam smothering valve [p. 8]
- b. Aqueous Film-Forming Foam (AFFF) [p. 7]
- c. Saltwater station [p. 8]
- d. CO<sub>2</sub> [p. 8]
- e. PKP [p. 8]
- f. Electrical power hatch [p. 7]

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.12 State the hazards of the arresting gear cable during arrestment/respot. [ref. c, p. 4-14]

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.13 Explain the purpose of the barricade. [ref. d, p. 3-35]

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**102 AIR DEPARTMENT FUNDAMENTALS (CONT'D)**

102.14 Discuss the three major systems that make up the MK 7 recovery equipment: [ref. d, p. 3-1]

- a. Emergency
- b. Drive system
- c. Engine installation

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.15 Discuss the purpose of the deck pendant/purchase cable. [ref. d, p. 3-5]

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.16 Discuss the purpose of the impact pads located on the flight deck [ref. d, p. 3-33]

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.17 Discuss the purpose of the cross deck pendant wire support. [ref. d, p. 3-34]

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.18 Discuss the function of the retractable deck sheave. [ref. d, p. 3-27]

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.19 Discuss the function of the aircraft integrity watch. [ref. b, p. 3-52]

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.20 Describe the purpose of the shuttle. [ref. d, p. 4-9]

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.21 Discuss the function of the JBD. [ref. d, p. 5-1]

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**102 AIR DEPARTMENT FUNDAMENTALS (CONT'D)**

102.22 Discuss the function of the water brake cylinder installation. [ref. d, p. 4-11]

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.23 Discuss the term catapult no-load. [ref. d, p. 4-64]

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.24 Discuss the purpose for the Integrated Catapult Control System (ICCS). [ref. d, p. 4-58]

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.25 State the purpose of aviation fuels watch. [ref. e, p. 1-2]

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.26 Discuss the purpose of the Fresnel Lens Optical Landing System (FLOLS). [ref. h, p. 5-1]

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(Signature and Date)

**103 OPERATIONS FUNDAMENTALS**

## References:

- [a] NAVEDTRA 10371, Aerographer's Mate 2, Vol. 2
  - [b] NAVAIR AE-CVATC-OPM-000, Carrier Air Traffic Control Handbook
  - [c] NAVEDTRA 12701, Photography (Advanced)
  - [d] NAVAIR 00-80T-105, CV NATOPS Manual
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103.1 List the effects of the following weather phenomena on flight operations: [ref. a]

- a. Lightning and electrostatic discharge [p. 6-1-2]
- b. Hail [p. 6-1-2]
- c. Icing [p. 6-1-3]
- d. Turbulence [p. 6-1-9, table 6-1-1]
- e. Fog/stratus [p. 6-1-20]

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.2 State the weather criteria for the following launch/recovery conditions: [ref. d, p. 3-2]

- a. Case I
- b. Case II
- c. Case III

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.3 Explain the function of the plane guard helicopter. [ref. b, p. 3-9]

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.4 Discuss the following: [ref. b]

- a. Departure control [p. 3-1]
- b. Marshal control [p. 3-1]
- c. Approach control [p. 3-1]
- d. Final control [p. 3-2]

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**103 OPERATIONS FUNDAMENTALS (CONT'D)**

103.5 Discuss the following evolutions as they pertain to air traffic control: [ref. b]

- a. Cyclic operations [p. 2-6]
- b. Carrier Qualifications (CQ) [p. 8-1]
- c. Flex deck [p. 8-3]

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.6 Define the term ramp time. [ref. b, p. 5-3]

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.7 State the responsibilities of the Landing Signal Officer (LSO). [ref. d, p. 3-1]

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.8 Describe the following systems: [ref. b]

- a. Bullseye [p. A-3]
- b. Precision Approach and Landing System (PALS) [p. A-9]

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(Signature and Date)

.9 State the effects of Emissions Control (EMCON) on aviation. [ref. b, p. 3-5]

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(Signature and Date)

.10 State the purpose of the Air Plan. [ref. d, p. 2-1]

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(Signature and Date)

.11 Define the acronym TARPS. [ref. c, p. 4-7]

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(Signature and Date)

## 104 AIRCRAFT INTERMEDIATE MAINTENANCE DEPARTMENT (AIMD) FUNDAMENTALS

### References:

- [a] OPNAVINST 4790.2G, Naval Aviation Maintenance Program, Vol. I
  - [b] COMNAVAIRLANT/COMNAVAIRPACINST 1306.18C, Management Procedures/Policies for Sea Operational Detachments
  - [c] NAVEDTRA 10356, Aviation Support Equipment Technician 3
  - [d] OPNAVINST 8600.2B, Naval Aviation Weapons Maintenance Program (NAWMP), Vol. II, (CH-1)
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104.1 Discuss the basic engine test facility procedures. [ref. a, p. 16-19]

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(Signature and Date)

.2 Explain the purpose of the Aviation Life Support System (ALSS) rotatable pools: [ref. a, p. 16-3]

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.3 State the purpose of an Aeronautical Equipment Service Record (AESR). [ref. a, p. 13-40]

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.4 Discuss the purpose of the Sea Operational Detachment (SEAOPDET). [ref. b]

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.5 Discuss the reporting custodian's responsibility to the Emergency Reclamation Team (ERT). [ref. a, p. 10-43]

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.6 Discuss the basic purpose of Support Equipment (SE). [ref. a, p. 7-4]

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(Signature and Date)

**104 AIRCRAFT INTERMEDIATE MAINTENANCE DEPARTMENT (AIMD)  
FUNDAMENTALS (CONT'D)**

104.7 Discuss the basic functions of the following Support Equipment (SE): [ref. c]

- a. Mobile Electronic Power Plant (MEPP) [p. 2-4]
- b. Mobile air start systems/gas turbine compressors [p. 2-22]
- c. Aircraft spotting dolly [p. 2-13]
- d. Aircraft crash crane [p. 2-32]

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(Signature and Date)

.8 Discuss the basic scope and categories of Aircraft Armament Equipment (AAE).  
[ref. d, p. 7-1-1]

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(Signature and Date)

## 105 SUPPLY DEPARTMENT FUNDAMENTALS

### References:

- [a] NAVEDTRA 10395, Aviation Storekeeper 1
  - [b] NAVEDTRA 12655, Aviation Storekeeper 2
  - [c] NAVEDTRA 10654, Aviation Storekeeper 3
  - [d] COMNAVAIRPAC/COMNAVAIRLANTINST 4440.1B, Supply Operations Manual
  - [e] COMNAVAIRPAC/COMNAVAIRLANTINST 5442.5D, Aircraft Material Readiness Reporting
- 

105.1 Define the following acronyms:

- a. SSC [ref. a, p. 5-5]
- b. SRS [ref. a, p. 5-6]
- c. CCS [ref. a, p. 5-8]
- d. RAM [ref. d, p. 12-9]

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(Signature and Date)

.2 Discuss the basic functions of the following units of SRS: [ref. a]

- a. Requisition Control Unit (RCU) [p. 5-7]
- b. Technical Research Unit (TRU) [p. 5-7]
- c. Program Management Unit (PMU) [p. 5-8]
- d. Material Delivery Unit (MDU) [p. 5-8]

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(Signature and Date)

.3 Discuss the basic functions of the following CCS units: [ref. a, p. 5-8]

- a. Document Control Unit (DCU)
- b. Supply Screening Unit (SSU)
- c. Local Repair Cycle Assets (LRCA)
- d. Awaiting Parts Unit (AWP)

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(Signature and Date)

**105      SUPPLY DEPARTMENT FUNDAMENTALS (CONT'D)**

105.4      Discuss the following:

- a.      Federal Logistic (FEDLOG) data [ref. c, p. 2-6]
- b.      Aviation Consolidated Allowance List (AVCAL) [ref. b, p. 5-13]

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

.5      Discuss the purpose of the Aircraft Material Readiness Report (AMRR). [ref. e]

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

## 106 WEAPONS FUNDAMENTALS

### References:

- [a] NAVEDTRA 12309, Aviation Ordnanceman, 3, 2, and 1  
 [b] OPNAVINST 8600.2B, The Naval Airborne Weapons Maintenance Program (NAWMP), Vol. II (CH-1)
- 

106.1 State the objective of the Non-Nuclear Ordnance/Explosive Handling Qualification Program. [ref. a, p. 11-1]

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

.2 Explain the purpose of the following conditions: [ref. a, pp. 11-31, 11-32]

- a. Hazards of Electromagnetic Radiation to Ordnance (HERO)
- b. Emission Control (EMCON)

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

.3 State the purpose of performing a stray voltage check. [ref. a, p. 16-17]

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

.4 Define and discuss the following acronyms: [ref. a]

- a. AIM [p. 3-2]
- b. AGM [p. 3-2]
- c. RIM [p. 3-2]
- d. ATM [p. 3-2]
- e. CBU [p. 1-40]
- f. TALD [p. 8-10]

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

.5 Discuss the following missile guidance terms: [ref. a, pp. 3-5, 3-6]

- a. Active
- b. Semi-active
- c. Passive

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

**106 WEAPONS FUNDAMENTALS (CONT'D)**

106.6 Discuss the purpose of the two types of weapons elevator: [ref. a]

- a. Upper stage [p. 11-26]
- b. Lower stage [p. 11-24]

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(Signature and Date)

.7 Explain the difference between hung ordnance and unexpended ordnance. [ref. b, p. 6-2-9]

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(Signature and Date)

.8 State the purpose of color coding in regards to ammunition. [ref. a, p. 12-2]

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(Signature and Date)



## 200 INTRODUCTION TO SYSTEMS/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.



## 201 AIR DEPARTMENT SYSTEM

### References:

- [a] NAVAIR 00-80T-105, CV NATOPS Manual
  - [b] COMNAVAIRLANT/COMNAVAIRPACINST 3100.4B, Air Department Standard Operating Procedures (SOPs)
  - [c] NAVEDTRA 12360-A, Aviation Boatswain's Mate E, 3 & 2
  - [d] NAVEDTRA 12364, Aviation Boatswain's Mate F
  - [e] NAVEDTRA 12368, Aviation Boatswain's Mate H, 3 & 2
  - [f] NAVEDTRA 12000, Airman
- 

### 201.1 SYSTEM COMPONENTS AND COMPONENT PARTS

#### 201.1.1 Primary Flight Control (PRI-FLY):

- a. State the duties and responsibilities of the Air Officer [ref. a, p. 3-1]

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

- b. Identify the stations manned in PRI-FLY [ref. b, p. 2-2]

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

#### .2 Aircraft handling/crash and salvage:

- a. Identify the stations manned in flight deck control [ref. b, p. 2-3]

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

- b. State the duties and responsibilities of the Aircraft Handling Officer [ref. b, p. 1-1]

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

- c. Discuss the duties and responsibilities of the aircraft crash, salvage, and rescue party [ref. f, p. 2-14]

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

**201 AIR DEPARTMENT SYSTEM (CONT'D)**

201.1.3 Aircraft launch and recovery equipment:

- a. State the duties and responsibilities of the Catapult and Arresting Gear Officer [ref. b, p. 1-1]

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

- b. Briefly describe the operation of the arresting gear engine [ref. c, p. 3-1]

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

- c. Briefly describe the operation of the steam catapult [ref. c, p. 3-1]

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

- d. Briefly describe the following visual landing aids: [ref. c]

- 1. Fresnal Lens Optical Landing System (FLOLS) [p. 6-5]

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

- 2. Manually Operated Visual Landing Aids System (MOVLAS) [p. 6-5]

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

- 3. Integrated Launch and Recovery Television System (ILARTS) [p. 6-6]

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

- .e State the primary objective of the Aircraft Launch and Recovery Maintenance Program (ALREMP) [ref. c, p. 6-1]

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

- f. Discuss the two types of barricades [ref. c, pp. 3-36, 3-37]

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

**201 AIR DEPARTMENT SYSTEM (CONT'D)**

201.1.4 Hangar deck: [ref. c, p. 2-7]

- a. Identify the stations manned in hangar deck control

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

.5 Aviation fuels: [ref. d]

- a. Briefly describe the organization of the aviation fuels division [pp. 1-2 thru 1-4]

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

- b. Briefly describe the Lube Oil (L/O) system [p. 6-1]

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

201.2 PRINCIPLES OF OPERATION – None to be discussed.

201.3 PARAMETERS/OPERATING LIMITS – None to be discussed.

201.4 SYSTEM INTERFACE – None to be discussed.

201.5 SAFETY PRECAUTIONS

201.5.1 Discuss the three causes of nearly all aircraft handling mishaps/incidents. [ref. e, p. 3-47]

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

- .2 Discuss general safety precautions that must be observed in the vicinity of launch and recovery equipment during operations. [ref. b, p. 16-7]

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

- .3 What is the constant danger to all personnel involved in fueling/defueling of aircraft? [ref. d, p. 5-23]

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

## 202 OPERATIONS SYSTEM

References:

[a] NAVAIR AE-CVATC-OPM-000, Carrier Air Traffic Control Handbook

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### 202.1 SYSTEM COMPONENTS AND COMPONENT PARTS

#### 202.1.1 Meteorology and Oceanography (METOC):

- a. State the service that the METOC office provides for flight operations [p. 1-5]

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

#### .2 Carrier Air Traffic Control Center (CATCC):

- a. Discuss the function of air operations [p. 1-1]

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

- b. Identify the positions manned in air operations during flight operations [pp. 9-1 thru 9-4]

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

- c. Discuss the function of Carrier Control Approach (CCA) [p. 1-4]

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

- d. State the duties and responsibilities of the Air Transfer Officer (ATO) [p. 1-4]

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

#### .3 Combat Direction Center (CDC):

- a. Discuss the function of the CDC [p. 1-4]

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

## **202 OPERATIONS SYSTEM (CONT'D)**

202.1.4 Strike operations:

- a. Discuss the responsibilities of strike operations [p. 1-4]

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

.5 Carrier Intelligence Center (CVIC):

- a. Discuss the responsibilities of CVIC: [pp. 1-4, 1-5]

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

202.2 PRINCIPLES OF OPERATION – None to be discussed.

202.3 PARAMETERS/OPERATING LIMITS – None to be discussed.

202.4 SYSTEM INTERFACE – None to be discussed.

202.5 SAFETY PRECAUTIONS – None to be discussed.

## 203 AIRCRAFT INTERMEDIATE MAINTENANCE DEPARTMENT (AIMD) SYSTEM

### References:

- [a] OPNAVINST 4790.2G, Naval Aviation Maintenance Program, Vol. I  
 [b] OPNAVINST 4790.2G, Naval Aviation Maintenance Program, Vol. V
- 

### 203.1 SYSTEM COMPONENTS AND COMPONENT PARTS

- 203.1.1 State the basic function of intermediate maintenance activities (afloat). [ref. a, pp. 8-2, 8-3]

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

- .2 Discuss the basic organizational structure of the AIMD (afloat). [ref. a, fig. 8-6]

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

- .3 Discuss the basic function(s) of the Aeronautical Material Screening Unit (AMSU). [ref. a, p. 12-45]

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

- .4 Discuss the purpose of the Navy Metrology and Calibration Program (METCAL). [ref. b, p. 19-1]

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

- .5 Discuss the purpose of the Support Equipment (SE) Training and Licensing Program. [ref. b, p. 17-1]

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

- .6 Discuss the all-hands responsibility of the SE Misuse/Abuse Program. [ref. a, p. 14-17]

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

- 203.2 PRINCIPLES OF OPERATION – None to be discussed.

**203 AIRCRAFT INTERMEDIATE MAINTENANCE DEPARTMENT (AIMD)  
SYSTEM (CONT'D)**

203.3 PARAMETERS/OPERATING LIMITS – None to be discussed.

203.4 SYSTEM INTERFACE – None to be discussed.

203.5 SAFETY PRECAUTIONS – None to be discussed.

## 204 SUPPLY SUPPORT CENTER (SSC) SYSTEM

### References:

- [a] NAVEDTRA 10395, Aviation Storekeeper 1  
 [b] NAVEDTRA 12655, Aviation Storekeeper 2  
 [c] COMNAVAIRLANT/COMNAVAIRPACINST 4440.1B, Supply Operations Manual
- 

### 204.1 SYSTEM COMPONENTS AND COMPONENT PARTS

204.1.1 Explain the basic responsibilities of the SSC. [ref. a, pp. 5-5, 5-6]

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

.2 State the basic responsibilities of SRS and CCS. [ref. b, pp. 5-6 thru 5-8]

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

.3 Discuss the basic responsibilities of the RAM unit. [ref. c, p. 12-9]

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

.4 State the purpose of the Aviation Consolidated Allowance List (AVCAL). [ref. b, p. 5-13]

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

204.2 PRINCIPLES OF OPERATION – None to be discussed.

204.3 PARAMETERS/OPERATING LIMITS – None to be discussed.

204.4 SYSTEM INTERFACE – None to be discussed.

204.5 SAFETY PRECAUTIONS – None to be discussed.

**205 WEAPONS DEPARTMENT SYSTEM**

## References:

- [a] OPNAVINST 8600.2B, The Naval Airborne Weapons Maintenance Program (NAWMP), Vol. II (CH-1)
- 

205.1 SYSTEM COMPONENTS AND COMPONENT PARTS

205.1.1 Explain the functions of the following divisions within the weapons department:

- a. G-1 [p. 6-5-5]
- b. G-2 [p. 6-5-5]
- c. G-3 [p. 6-5-5]
- d. G-4 [p. 6-5-5]
- e. G-5 [p. 6-5-4]
- f. Explosive Ordnance Disposal (EOD) [p. 6-5-5]

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

205.2 PRINCIPLES OF OPERATION – None to be discussed.

205.3 PARAMETERS/OPERATING LIMITS – None to be discussed.

205.4 SYSTEM INTERFACE – None to be discussed.

205.5 SAFETY PRECAUTIONS – None to be discussed.

**206 AIR TO AIR WARFARE (AAW) MISSION AREA**

## References:

- [a] The Bluejacket's Manual (Twenty-First Edition)
  - [b] NAVEDTRA 12309, Aviation Ordnanceman 3, 2, and 1
  - [c] NAVEDTRA 12000, Airman
  - [d] NAVEDTRA 12966, Naval Orientation
  - [e] NAVEDTRA 10276-1, Fire Controlman Third Class
- 

206.1 SYSTEM COMPONENTS AND COMPONENT PARTS

## 206.1.1 Discuss the function of the following detection systems:

- a. E-2C Hawkeye [ref. a, p. 299]
- b. Surface combatants' ship [ref. d, pp. 19-5 thru 19-8]
- c. Electronic Countermeasures (ECM) (active and passive) [ref. c, pp. 7-19, 7-20]
- d. Surface search radar [ref. e, p. 3-4]
- e. Fire control radar [ref. e, p. 4-6]

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(Signature and Date)

## .2 Discuss the following direction systems:

- a. E-2C Hawkeye [ref. a, p. 299]
- b. Surface combatants' ship [ref. d, pp. 19-5 thru 19-8]

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(Signature and Date)

## .3 Discuss the following delivery systems: [ref. a]

- a. F-14 Tomcat [p. 295]
- b. F/A-18 Hornet [pp. 295, 296]

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(Signature and Date)

## .4 Discuss the following destruction systems: [ref. b]

- a. Missiles (AIM) [pp. 3-9 thru 3-14]
- b. Aircraft guns [p. 15-18]

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(Signature and Date)

**206 AIR TO AIR WARFARE (AAW) MISSION AREA (CONT'D)**

206.2 PRINCIPLES OF OPERATION – None to be discussed.

206.3 PARAMETERS/OPERATING LIMITS – None to be discussed.

206.4 SYSTEM INTERFACE – None to be discussed.

206.5 SAFETY PRECAUTIONS – None to be discussed.

## 207 UNDERSEA WARFARE (USW) MISSION AREA

### References:

- [a] NTP-S-50-8208F, Navy Training Plan Aircraft Carrier Tactical Support Center (CV-TSC) AN/SQQ-34/A/B/C
  - [b] NAVEDTRA 12000, Airman
  - [c] NAVAIR AE-CVATC-OPM-000, Carrier Air Traffic Control Handbook
  - [d] The Bluejacket's Manual (Twenty-First Edition)
- 

### 207.1 SYSTEM COMPONENTS AND COMPONENT PARTS

#### 207.1.1 Discuss the following detection systems:

- a. CV Fast Time Analyzer System (CV FTAS) [ref. a, p. 1-8]
- b. H-60 [ref. b, p. 301]
- c. S-3B [ref. d, p. 297]

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(Signature and Date)

#### .2 Discuss the following direction systems: [ref. c, p. 1-4]

- a. Combat Direction Center (CDC)

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

#### .3 Discuss the following delivery systems: [ref. d]

- a. S-3B [p. 297]
- b. H-60 [p. 301]
- c. F/A-18 [pp. 295, 296]

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

#### .4 Discuss the following destruction systems: [ref. b, p. 8-20]

- a. Torpedoes
- b. Mines

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

### 207.2 PRINCIPLES OF OPERATION – None to be discussed.

**207 UNDERSEA WARFARE (USW) MISSION AREA (CONT'D)**

207.3 PARAMETERS/OPERATING LIMITS – None to be discussed.

207.4 SYSTEM INTERFACE – None to be discussed.

207.5 SAFETY PRECAUTIONS – None to be discussed.

**208 AIR TO SURFACE WARFARE (ASW) MISSION AREA**

## References:

- [a] The Bluejacket's Manual (Twenty-First Edition)
  - [b] NAVEDTRA 12966, Naval Orientation
  - [c] NAVEDTRA 12000, Airman
  - [d] NAVEDTRA 12309, Aviation Ordnanceman 3, 2, and 1
  - [e] NAVEDTRA 10276-1, Fire Controlman Third Class
- 

208.1 SYSTEM COMPONENTS AND COMPONENT PARTS

## 208.1.1 Discuss the following detection systems:

- a. E-2C Hawkeye [ref. a, p. 299]
- b. Surface combatants' ship [ref. b, pp. 19-5 thru 19-8]
- c. Electronic Countermeasure (ECM) (active and passive) [ref. c, pp. 7-19, 7-20]
- d. Surface search [ref. e, p. 3-4]

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(Signature and Date)

## .2 Discuss the following direction systems:

- a. E-2C Hawkeye [ref. a, p. 299]
- b. Surface combatants' ship [ref. b, pp. 19-5 thru 19-8]

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(Signature and Date)

## .3 Discuss the following delivery systems: [ref. a]

- a. F/A-18 [p. 295]
- b. F-14 [p. 295]
- c. S-3B [p. 297]
- d. EA-6B [p. 297]
- e. SH-60B [p. 301]

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(Signature and Date)

**208 AIR TO SURFACE WARFARE (ASW) MISSION AREA (CONT'D)**

208.1.4 Discuss the following destruction devices:

- a. Missiles (AGM) [ref. d, pp. 3-15 thru 3-18]
- b. Bombs [ref. c, pp. 8-10, 8-11]
- c. Rockets [ref. d, p. 2-18]
- d. Aircraft guns [ref. d, p. 15-18]

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(Signature and Date)

208.2 PRINCIPLES OF OPERATION – None to be discussed.

208.3 PARAMETERS/OPERATING LIMITS – None to be discussed.

208.4 SYSTEM INTERFACE – None to be discussed.

208.5 SAFETY PRECAUTIONS – None to be discussed.

**209 POINT-DEFENSE/COUNTERMEASURES SYSTEM**

## References:

- [a] The Bluejacket's Manual (Twenty-First Edition)
  - [b] NAVEDTRA 12309, Aviation Ordnanceman 3, 2, and 1
  - [c] NAVEDTRA 12966, Naval Orientation
  - [d] NAVEDTRA 12000, Airman
- 

209.1 SYSTEM COMPONENTS AND COMPONENT PARTS

209.1.1 Discuss the basics function of the following:

- a. .50 caliber mounts [ref. a, p. 341]
- b. North Atlantic Treaty Organization (NATO) Seasparrow Missile system [ref. b, p. 3-5]
- c. Close-In Weapons System (CIWS) [ref. c, p. 20-3]
- d. Electronic Countermeasures (ECM) [ref. d, pp. 7-19, 7-20]

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 (Signature and Date)
209.2 PRINCIPLES OF OPERATION – None to be discussed.209.3 PARAMETERS/OPERATING LIMITS – None to be discussed.209.4 SYSTEM INTERFACE – None to be discussed.209.5 SAFETY PRECAUTIONS – None to be discussed.

## 210 BATTLE FORCE INTERMEDIATE MAINTENANCE ACTIVITY (BFIMA) SYSTEM

References:

- [a] CINCPACFLTINST 4700.9/CINCLANTFLTINST 4700.11, Maintenance Policy for Battle Force Intermediate Maintenance Activities (BFIMA)
- 

### 210.1 SYSTEM COMPONENTS AND COMPONENT PARTS

- 210.1.1 Discuss the function and organization of Battle Force Intermediate Maintenance Activity (BFIMA).

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

- 210.2 PRINCIPLES OF OPERATION – None to be discussed.

- 210.3 PARAMETERS/OPERATING LIMITS – None to be discussed.

- 210.4 SYSTEM INTERFACE – None to be discussed.

- 210.5 SAFETY PRECAUTIONS – None to be discussed.

**211 CARRIER AIR WING SYSTEM**

References:

[a] NAVEDTRA 12000, Airman

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211.1 SYSTEM COMPONENTS AND COMPONENT PARTS

211.1.1 Discuss the function of the carrier air wing. [p. 2-12]

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(Signature and Date)

.2 Discuss the organization of a carrier air wing. [p. 2-15]

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(Signature and Date)

211.2 PRINCIPLES OF OPERATION – None to be discussed.211.3 PARAMETERS/OPERATING LIMITS – None to be discussed.211.4 SYSTEM INTERFACE – None to be discussed.211.5 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. After all line items have been completed, your Qualifier will verify Final Qualification by signing and dating the Final Qualification pages.

301 ENLISTED AVIATION WARFARE SPECIALIST (EAWS),  
UNIT SPECIFIC FOR CV/CVN

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 ENLISTED AVIATION WARFARE SPECIALIST (EAWS), UNIT SPECIFIC FOR CV/CVN (NAVEDTRA 43902-15).

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

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

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

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

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



**WATCHSTATION 301**

**301 ENLISTED AVIATION WARFARE SPECIALIST (EAWS), UNIT SPECIFIC  
FOR CV/CVN**

Estimated completion time: 12 months

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301.1 PREREQUISITES

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

301.1.1 PQS QUALIFICATIONS:

Enlisted Aviation Warfare Specialist (EAWS) Common Core (NAVEDTRA 43902),  
301 Final Qualification

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

Maintenance and Material Management (3M) (NAVEDTRA 43241-G), 301  
Maintenance Person

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

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

.2 FUNDAMENTALS FROM THIS PQS:

101 Carrier Shipboard

Completed \_\_\_\_\_ 4% of Watchstation  
(Qualifier and Date)

102 Air Department

Completed \_\_\_\_\_ 4% of Watchstation  
(Qualifier and Date)

**301 ENLISTED AVIATION WARFARE SPECIALIST (EAWS), UNIT SPECIFIC FOR CV/CVN (CONT'D)**

301.1.2 103 Operations

Completed \_\_\_\_\_ 4% of Watchstation  
(Qualifier and Date)

104 Aircraft Intermediate Maintenance Department (AIMD)

Completed \_\_\_\_\_ 4% of Watchstation  
(Qualifier and Date)

105 Supply Department

Completed \_\_\_\_\_ 4% of Watchstation  
(Qualifier and Date)

106 Weapons

Completed \_\_\_\_\_ 4% of Watchstation  
(Qualifier and Date)

.3 SYSTEMS/MISSION AREAS FROM THIS PQS:

201 Air Department

Completed \_\_\_\_\_ 4% of Watchstation  
(Qualifier and Date)

202 Operations

Completed \_\_\_\_\_ 4% of Watchstation  
(Qualifier and Date)

203 Aircraft Intermediate Maintenance Department (AIMD)

Completed \_\_\_\_\_ 4% of Watchstation  
(Qualifier and Date)

204 Supply Support Center (SSC)

Completed \_\_\_\_\_ 4% of Watchstation  
(Qualifier and Date)

205 Weapons Department

Completed \_\_\_\_\_ 4% of Watchstation  
(Qualifier and Date)

**301 ENLISTED AVIATION WARFARE SPECIALIST (EAWS), UNIT SPECIFIC FOR CV/CVN (CONT'D)**

- 301.1.3 206 Air to Air Warfare (AAW)  
Completed \_\_\_\_\_ 4% of Watchstation  
(Qualifier and Date)
- 207 Undersea Warfare (USW)  
Completed \_\_\_\_\_ 4% of Watchstation  
(Qualifier and Date)
- 208 Air to Surface Warfare (ASW)  
Completed \_\_\_\_\_ 4% of Watchstation  
(Qualifier and Date)
- 209 Point Defense/Countermeasures  
Completed \_\_\_\_\_ 4% of Watchstation  
(Qualifier and Date)
- 210 Battle Force Intermediate Maintenance Activity (BFIMA)  
Completed \_\_\_\_\_ 4% of Watchstation  
(Qualifier and Date)
- 211 Carrier Air Wing  
Completed \_\_\_\_\_ 4% of Watchstation  
(Qualifier and Date)

301.2 TASKS

- 301.2.1 Properly don flight deck uniform  
  
\_\_\_\_\_  
(Signature and Date)
- .2 Observe day and night time flight operations  
  
\_\_\_\_\_  
(Signature and Date)

**301 ENLISTED AVIATION WARFARE SPECIALIST (EAWS), UNIT SPECIFIC FOR CV/CVN (CONT'D)**

301.2.3 Locate and discuss the proper operation of deck edge catapult steam smothering controls

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(Signature and Date)

.4 Locate and discuss proper operation of the following flight and hangar deck firefighting equipment:

- a. Aqueous Film-Forming Foam (AFFF) station
- b. CO<sub>2</sub> fire bottles
- c. PKP fire bottles
- d. Mobile firefighting equipment

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(Signature and Date)

.5 Locate and discuss the basic operation of the following:

- a. Flight and hangar deck fuel station
- b. Arresting gear engine room
- c. Catapult steam console room
- d. Conflagration (CONFLAG) station
- e. Primary Flight (PRI-FLY) control center
- f. Flight deck control
- g. Hangar deck control

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(Signature and Date)

.6 Locate a bomb jettison ramp

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(Signature and Date)

.7 Locate the catapult safe shot lines

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(Signature and Date)

.8 Locate the starboard and port foul lines

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(Signature and Date)

**301 ENLISTED AVIATION WARFARE SPECIALIST (EAWS), UNIT SPECIFIC FOR CV/CVN (CONT'D)**

301.2.9 Participate in FOD walkdown

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

.10 Locate the bomb farm

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

.11 Locate the Liquid Oxygen (LOX) servicing area on the flight deck

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

.12 Properly demonstrate the following hand signals:

- a. Fire
- b. Stop
- c. Left turn
- d. Right turn
- e. Move forward
- f. Cut engine
- g. Emergency stop
- h. Hot brakes

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

.13 Locate and discuss the basic operation of an Aircraft Electrical Servicing Station (AESS)

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

.14 Observe Carrier Air Traffic Control Center (CATCC) Case 3 flight operations

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

COMPLETED .2 AREA COMPRISES 32% OF WATCHSTATION.

301.3 INFREQUENT TASKS – None to be discussed.

301.4 ABNORMAL CONDITIONS– None to be discussed.

**301 ENLISTED AVIATION WARFARE SPECIALIST (EAWS), UNIT SPECIFIC  
FOR CV/CVN (CONT'D)**

301.5 EMERGENCIES – None to be discussed.

301.6 WATCHES – None.

301.7 EXAMINATIONS

301.7.1 EXAMINATIONS Pass a written examination

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(Signature and Date)

.2 EXAMINATIONS Pass an oral examination board

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(Signature and Date)

## LIST OF REFERENCES USED IN THIS PQS

CINCPACFLTINST 4700.9/CINCLANTFLTINST 4700.11, Maintenance Policy for Battle Force Intermediate Maintenance Activities (BFIMA)  
COMNAVAIRLANT/COMNAVAIRPACINST 1306.18C, Management Procedures/Policies for Sea Operational Detachments  
COMNAVAIRLANT/COMNAVAIRPACINST 3100.4B, Air Department Standard Operating Procedures (SOPs)  
COMNAVAIRLANT/COMNAVAIRPACINST 4440.1B, Supply Operations Manual  
COMNAVAIRPAC/COMNAVAIRLANTINST 5442.5D, Aircraft Material Readiness Reporting  
NAVAIR 00-80T-105, CV NATOPS Manual  
NAVAIR AE-CVATC-OPM-000, Carrier Air Traffic Control Handbook  
Naval Air Warfare Center Visual Landing Aids General Service Bulletin, Nr. 8 (Rev. L)  
NAVEDTRA 10276-1, Fire Controlman Third Class  
NAVEDTRA 10356, Aviation Support Equipment Technician 3  
NAVEDTRA 10371, Aerographer's Mate 2, Vol. 2  
NAVEDTRA 10395, Aviation Storekeeper 1  
NAVEDTRA 10539, Engineman 3  
NAVEDTRA 10654, Aviation Storekeeper 3  
NAVEDTRA 12000, Airman  
NAVEDTRA 12001, Fireman  
NAVEDTRA 12016, Seaman  
NAVEDTRA 12100, Boatswain's Mate  
NAVEDTRA 12120, Quartermaster  
NAVEDTRA 12147, Engineering Administration  
NAVEDTRA 12149, Engineman 2  
NAVEDTRA 12309, Aviation Ordnanceman, 3, 2, and 1  
NAVEDTRA 12360-A, Aviation Boatswain's Mate E, 3 & 2  
NAVEDTRA 12364, Aviation Boatswain's Mate F  
NAVEDTRA 12368, Aviation Boatswain's Mate H, 3 & 2  
NAVEDTRA 12655, Aviation Storekeeper 2  
NAVEDTRA 12701, Photography (Advanced)  
NAVEDTRA 12966, Naval Orientation  
NTP-S-50-8208F, Navy Training Plan Aircraft Carrier Tactical Support Center (CV-TSC) AN/SQQ-34/A/B/C  
OPNAVINST 3120.32, Standard Organization and Regulations Manual of the U. S. Navy (SORM)  
OPNAVINST 4790.2G, Naval Aviation Maintenance Program, Vol. I  
OPNAVINST 4790.2G, Naval Aviation Maintenance Program, Vol. V  
OPNAVINST 8600.2B, The Naval Airborne Weapons Maintenance Program (NAWMP), Vol. II (CH-1)  
The Bluejacket's Manual (Twenty-First Edition)



Personal Qualification Standard  
Feedback Report

From \_\_\_\_\_ Date \_\_\_\_\_

Via \_\_\_\_\_ Date \_\_\_\_\_

Department Head

Activity \_\_\_\_\_

Mailing Address \_\_\_\_\_

DSN \_\_\_\_\_

PQS Title \_\_\_\_\_ NAVEDTRA \_\_\_\_\_

Section Affected \_\_\_\_\_

Page Number(s) \_\_\_\_\_

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Remarks/Recommendations (Use additional sheets if necessary):

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DEPARTMENT OF THE NAVY

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OFFICIAL BUSINESS

COMMANDING OFFICER  
NETPDTC N34  
6490 SAUFLEY FIELD ROAD  
PENSACOLA FL 32509-5237

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