



# PERSONNEL QUALIFICATION STANDARD FOR

## GLOBAL COMMAND AND CONTROL SYSTEM MARITIME 4X (GCCS-M 4X)

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

**DISTRIBUTION STATEMENT B:** Distribution authorized to U.S. Government agencies only due to administrative/operational use on 1 June 2008. Other requests for this document must be referred to the Commanding Officer, Naval Education Training Command, N7, 9549 Bainbridge Ave., Norfolk, Virginia 23511-2518.

**DESTRUCTION NOTICE:** Destroy by any means that will prevent disclosure of contents or reconstruction of the document.

Unclassified technical documents bearing this distribution statement will be given the same physical protection prescribed in SECNAVINST 5720.42F for "For Official Use Only" material.

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

# TABLE OF CONTENTS

	Page
ACKNOWLEDGEMENTS-----	3
INTRODUCTION-----	5
SUMMARY OF CHANGES-----	7
WATCHSTATION REQUALIFICATIONS-----	8
ACRONYMS -----	9
100 INTRODUCTION TO FUNDAMENTALS-----	13
101 Safety -----	15
102 Security -----	17
103 GCCS Common Operational Picture/Maritime -----	19
104 Over-The-Horizon-Targeting (OTH-T) (Basic)-----	20
105 Over-The-Horizon-Targeting (OTH-T) (Advanced)-----	24
106 Database Management-----	26
107 Common Tactical Picture -----	28
108 Tactical Display -----	30
109 Communications-----	42
110 GCCS-M Nodes -----	46
111 Joint Operations -----	48
200 INTRODUCTION TO SYSTEMS-----	51
201 GCCS-M Equipment System Configuration (Basic)-----	53
202 GCCS-M Equipment System Configuration (Advanced)-----	56
300 INTRODUCTION TO WATCHSTATIONS -----	59
301 GCCS-M Operator -----	61
302 Database Manager -----	93
303 Coordinator (CT) -----	117
304 Intelligence Producer-----	137
305 Common Tactical Picture Manager (CTPM) -----	155
QUALIFICATION PROGRESS SUMMARY-----	171
LIST OF REFERENCES-----	173



## ACKNOWLEDGEMENTS

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

OSC (SW) Van WHITE	CSFTL
OSC (SW) Carrie BATISTE	NNWC
OS1(SW/AW) Michael MASLEY	CSCSU Dam neck
OS1(SW/AW) Lance FLICKINGER	CSFTL
OS1(SW) Arturo L. WALKER	C2F
OS1(SW/AW) Deborah SMITH	C2F
OS1(SW/AW) Jeffrey WENTZEL	C2F
Sal AURIGEMMA	COMPACFLT
OS1(SW/AW) Lakesha WILLIS	CSCS Dam Neck
OS2(SW/AW) Darnnel JONES	CSCS Dam Neck
OS2 (SW/AW) Tabatha MONTGOMERY	CSCS Dam Neck
Mr. Ron KRAVITZ	USFFC

Center for Surface Combat System personnel who provided direct support for this PQS:

Mr.	Todd HOCKENSMITH	Production Analyst
Mrs.	Annie SHEPHERD	Editor

The Model Manager for this PQS:

Center for Surface Combat Systems  
5395 First Street  
Dahlgren, VA 22448-5200

DSN: 249-1195  
COM: 540-284-1195



# 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 Not Applicable.

## APPLICABILITY

This PQS is applicable to all GCCS-M configured naval ships and shore commands.

## 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 Unit Coordinator's 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) is designed to acquaint you with the systems you will be required to operate at your watchstation/workstation. The 300 Section (Watchstations) lists the tasks you will be required to satisfactorily perform in order to achieve final PQS qualification for a particular watchstation/workstation. All three sections may not apply to this PQS, but where applicable, detailed explanations are provided at the front of each section.

### REFERENCES

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

### NOTES

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

### TRAINEE

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

### PQS FEEDBACK REPORTS

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



## SUMMARY OF CHANGES

### CHANGES TO FUNDAMENTALS, SYSTEMS, AND WATCHSTATIONS:

<b>Fundamental Title</b> Click & type Title	<b>Action</b> Click & Type Deleted, Added, or Modified	<b>Comment</b> Click & Type Why (use TAB to enter more)
<b>System Title</b> Click & type Title	<b>Action</b> Click & Type Deleted, Added, or Modified	<b>Comment</b> Click & Type Why (use TAB to enter more)
<b>Watchstation Title</b> Click & type Title	<b>Action</b> Click & Type Deleted, Added, or Modified	<b>Comment</b> Click & Type Why (use TAB to enter more)

## WATCHSTATION REQUALIFICATIONS

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

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

None.

## ACRONYMS USED IN THIS PQS

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

ACDS	Advanced Combat Direction System
ADSI	Air Defense System Integrator
AGN	Again
AIC	Atlantic Intelligence Center
AOC	Air Operations Center
AOI	Area of Interest
AOR	Area of Responsibility
AOU	Area of Uncertainty
APS	Afloat Planning System
AWC	Air Warfare Commander
AWACS	Airborne Warning and Control System
BCST	Broadcast
BDA	Battle Damage Assessment
BFL	Blue Force Locator
BFT	Blue Force Tracking
BGDBM	Battle Group Database Management
C2	Command and Control
C2WC	Command and Control Warfare Coordinator
C4	Command, Control, Communications, and Computers
C4I	Command, Control, Communications, Computers, and Intelligence
C-AOC	Combine-Air Operations Center
CCOI	Critical Contact of Interest
CD-ROM	Compact Disk-Read Only Memory
CICWO	Combat Information Center Watch Officer
CJTF	Commander Joint Task Force
CMSA	Cruise Missile Support Activity
COI	Contact of Interest
COMSPOT	Communications Spot Report
COP	Common Operational Picture
CRN	Contact Reference Number
COP SYNC TOOLS	Common Operational Picture Synchronization Tools
CPA	Closest Point of Approach
CSTTCP	Common Operational Picture Synchronization Tools Transmission Control Protocol
CTP	Common Tactical Picture
CTPM	Common Tactical Picture Manager
CCS	COP Correlation Site

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

CWC	Composite Warfare Commander
DBM	Database Manager
DLRP	Data Link Reference Point
DISA	Defense Information Systems Agency
EBE	Event-By-Event
ELINT	Electronic Intelligence
ELNOT	Electronic Notation
EMCON	Emission Control
ESM	Electronic Support Measures
FCC	Fleet Command Center
GEO	Geographic
GFCP	Generic Front End Communication Processor
GCCS	Global Command and Control System
HCI	Human Computer Interface
HERO	Hazards of Electronic Radiation to Ordnance
HFDF	High Frequency Direction Finder
HIT	High Interest Track
HULTEC	Hull-to-Emitter Correlated
HMI	Human Machine Interface
ICO	Interoperability Control Officer
I3	Integrated Imagery and Intelligence
I&W	Indications and Warnings
ID	Identification
IFF	Identification Friend or Foe
JFACC	Joint Force Air Component Commander
JFLCC	Joint Force Land Component Commander
JFMCC	Joint Force Maritime Component Commander
JICPAC	Joint Intelligence Center Pacific
JOTS	Joint Operational Tactical System
LAN	Local Area Network
LOB	Line Of Bearing
MAD	Magnetic Anomaly Detector
MDS	Mission Distribution System
MIL STD	Military Standard
MOBOARD	Maneuvering Board
MPA	Maritime Patrol Aircraft
MTC	Multi-Tactical Data Information Link Capability
MTN	Multi Tactical data link Network
MTF	Message Text Format
MTST	Maneuvering Target Statistical Tracker
NAVMACS	Naval Modular Automated Communication System
NCTAMS	Naval Computer Telecommunications Area Master Station
NETPREC	Network Precedence
NMCC	National Military Command Center
NTDS	Naval Tactical Data System

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

ORM	Operational Risk Management
OTCIXS	Officer in Tactical Command Information Exchange Subsystem
OTH-T	Over-The-Horizon-Targeting
PIF	Personal Identification Feature
PIM	Position and Intended Movement
RGL	Receive Guard List
ROTHR	Relocatable Over the Horizon Radar
SA	Situational Awareness
SAT	Satellite
SB BFT	Space Based Blue Force Tracking
SID	Subscriber Identification Number
SIF	Selective Identification Feature
SIPRNET	Secret Internet Protocol Routing Network
SITREP	Situational Report
SOF	Special Operations Forces
SOI	Signal Of Interest
SOSUS	Sound Surveillance System
SSTWC	Surface Strike Warfare Coordinator
S-TREAD	Secret Tactical Related Electronic Intelligence Application Database
STT	Shore Targeting Terminal
STWC	Strike Warfare Commander
STWO	Staff Watch Officer
SURTASS	Surveillance Towed Array Sensor System
SUW C&R	Surface Warfare Coordination and Reporting
SUWC	Surface Warfare Commander
SWC	Ships Weapons Coordinator
SYNC	Synchronization
TACAIR	Tactical Air
TACINTEL	Tactical Intelligence
TACTAS	Tactical Towed Array System
TADIL	Tactical Data Information Link
TADIXS	Tactical Data Information Exchange Subsystem
TAO	Tactical Action Officer
TASS	Towed Array Surveillance System
TBMD	Theater Ballistic Missile Defense
TDA	Tactical Decision Aid
TDBM	Tactical Database Manager
TDP	Tactical Data Processor
TDS	Tactical Display System
TGL	Transmit Group List
TLAM	Tomahawk Land Attack Missile
TOE	Time of Event
TOP	Time of Process

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

TOR	Time of Receipt
TOSP	Tailored Ocean Surveillance Product
TRAP	Tactical Receive Equipment Related Applications
TRE	Tactical Receive Equipment
TTY	Teletype
UID	Unique Identifier
UPS	Uninterruptible Power Supply
USMTF	United States Message Text Format
USWC	Undersea Warfare Commander
WGS	World Geodetic System
XREF	Cross Reference

## 100 INTRODUCTION TO FUNDAMENTALS

### 100.1 INTRODUCTION

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

### 100.2 HOW TO COMPLETE

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





# 101 SAFETY FUNDAMENTALS

## References:

- [a] OPNAVINST 3500.39A, Operational Risk Management
  - [b] OPNAVINST 5100.19D (CH-1), Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
  - [c] Combat Direction Center (CDC)/Combat Information Center (CIC) Doctrines
- 

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

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

.2 Explain the following as they apply to ORM: [ref. a]

- a. Identifying hazards
- b. Assessing hazards
- c. Making risk decisions
- d. Implementing controls
- e. Supervising

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

.3 Explain how electrical shock can be prevented when working around electrical equipment. [ref. b, vol. II, ch. C9]

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

.4 Explain the use of danger tags and caution tags.  
[ref. b, vol. I, ch. B11, vol. II, ch. C9]

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

.5 Explain the procedures for fighting electrical fires. [ref. b, vol. II, ch. C9]

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

.6 Name the agents used to fight electrical fires. [ref. b, vol. II, ch. C9]

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

**101 SAFETY FUNDAMENTALS (CONT'D)**

101.7 Identify the location of the main power/operational cutout switches for all electronic equipment in your work center. [ref. c]

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

.8 Explain the procedures for removing a victim from energized equipment. [ref. b, vol. II, ch. C9]

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

.9 Explain the proper treatment for electrical shock. [ref. b, vol. II, ch. C9]

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

.10 State the location of the nearest first aid boxes and stations. [ref. c]

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

.11 Discuss the hazards of HERO in relation to electronic/acoustic transmissions. [ref. b, vol. II, ch. C9]

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

**102 SECURITY FUNDAMENTALS**

## References:

- [a] EKMS 1 (series), Policy and Procedures for Navy Electronic Key Management System Tiers 2&3
  - [b] NAVEDTRA 14202, Operations Specialist 1 & C
- 

102.1 Discuss the concepts of ADP security as it relates to GCCS-M. [ref. b, ch. 12]

---

(Signature and Date)

.2 Define and discuss the following: [ref. a, ch. 1]

- a. Access
- b. Accountability and control
- c. Classified information
- d. Classifying authority
- e. Clearances
- f. Compromise
- g. Markings
- h. Need-to-know
- i. Physical security
- j. Sanitize
- k. Transmission security

---

(Signature and Date)

.3 Discuss the following classification designations: [ref. a, ch. 1; ref. b, ch. 12]

- a. Top Secret SCI
- b. Top Secret
- c. Secret
- d. Confidential

---

(Signature and Date)

## **102 SECURITY FUNDAMENTALS (CONT'D)**

102.4 Define and discuss the special marking NOFORN. [ref. a, ch. 1; ref. b, ch. 12]

---

(Signature and Date)

.5 State your responsibilities in the event of a compromise or suspected compromise.  
[ref. a, ch. 1; ref. b, ch. 12]

---

(Signature and Date)

.6 Define and discuss spillage.

---

(Signature and Date)

**103 GCCS COMMON OPERATIONAL PICTURE/MARITIME FUNDAMENTALS**

References:

[a] GCCS-M System User's Manual (Various Versions)

---

103.1 Discuss the components of the GCCS COP/M software environment.

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

.2 Discuss the core functions common to all GCCS COP/M applications.

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

.3 Discuss the benefits offered by GCCS COP/M as a single coordinated system.

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

## 104 OVER-THE-HORIZON-TARGETING (OTH-T) (BASIC) FUNDAMENTALS

### References:

- [a] NWP 3-20.7, Afloat OTH-T and Surveillance
  - [b] Local Ship's Organization and Regulation Manual (SORM)/Local Standard Operating Procedures (SOPs)
  - [c] NWP 3-20.1, Antisurface Warfare Commander's Manual
  - [d] Combat Direction Center (CDC)/Combat Information Center (CIC) Doctrines
  - [e] NAVEDTRA 14203, Operations Specialist 2
  - [f] NAVEDTRA 14202, Operations Specialist 1 & C
  - [g] NWP 3-56 (Rev. A), Composite Warfare Commander's Manual
  - [h] SOM (P)-6447, System Operators Manual for the AN/USQ-64(V)8, Communications System (Shore), Vol. II
  - [i] NWP 3-13.1.13, Electronic Warfare Coordination
  - [j] CJCSI 3151.01A series, Global Command and Control System Common Operational Picture Reporting Requirements
  - [k] CJCSM 3115.01series, Joint Data Network (JDN) Operations
  - [l] CJCSM 6120.01series, Joint Multi-TADIL Operation Procedures (JMTOP)
- 

104.1 Discuss the purpose of OTH-T. [ref. a, ch. 1]

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

.2 Discuss the following terms:

- a. AOI [ref. a, ch. 10]
- b. AOR [ref. a, ch. 10]
- c. AOU [ref. a, app. F]
- d. BDA [ref. a, ch. 2]
- e. C4I [ref. a, ch. 1]
- f. CCOI [ref. a, ch. 10; ref. d]
- g. COI [ref. a, ch. 10; ref. d]
- h. Remote sensors [ref. a, ch. 2]
- i. Dedicated sensors [ref. a, ch. 2]
- j. Organic sensors [ref. a, ch. 2]
- k. Nonorganic sensors [ref. a, ch. 2]
- l. HIT [ref. a, ch. 7]
- m. HULTEC [ref. a, ch. 5]
- n. I&W [ref. a, ch. 2]

## 104 OVER-THE-HORIZON-TARGETING (OTH-T) (BASIC) FUNDAMENTALS (CONT'D)

- 104.2
- o. LOB [ref. a, app. F]
  - p. MPA [ref. g, ch. 15]
  - q. RGL [ref. h, ch. 4]
  - r. TGL [ref. h, ch. 4]
  - s. SOI [ref. a, ch. 5]
  - t. MTN (ref. k)
  - u. TACAIR [ref. c, ch. 5]
  - v. TOE [ref. a, ch. 2]
  - w. TOR [ref. a, ch. 2]

---

(Signature and Date)

- .3 For the following organic sensors, what are their sources and the quality of the sensor data:

- a. ESM [ref. f, ch. 9]
- b. HFDF [ref. i, app. G]
- c. IFF/SIF [ref. e, ch. 8]
- d. MAD [ref. f, ch. 6]
- e. RADAR [ref. e, ch. 1]
- f. Ship's SONAR [ref. e, ch. 5]
- g. Sonobuoys [ref. f, ch. 6]
- h. TACTAS/TASS [ref. f, ch. 6]
- i. Visual [ref. f, ch. 2]

---

(Signature and Date)

- .4 For the following nonorganic sensors, what are their sources, the quality of the sensor data, and how timely is the information: [ref. a, ch. 2]

- a. ROTHr
- b. SOSUS
- c. SURTASS
- d. Classic wizard

---

(Signature and Date)

## 104 OVER-THE-HORIZON-TARGETING (OTH-T) (BASIC) FUNDAMENTALS (CONT'D)

104.5 Define and discuss the following OTH-T phases: [ref. a, ch. 2]

- a. Classification identification (correlation) and tracking (localization)
- b. Combat assessment
- c. Surveillance and detection

---

(Signature and Date)

.6 Discuss the general duties and responsibilities of the following individuals as they apply within the OTH-T organizational structure:

- a. CWC/OTC [ref. a, ch. 3]
- b. AWC [ref. a, ch. 3]
- c. SUWC [ref. a, ch. 3]
- d. ADC [ref. a, ch. 3]
- e. USWC [ref. a, ch. 3]
- f. SCC [ref. a]
- g. IWC CO [ref. a, ch. 3]
- h. SWC [ref. a, ch. 3]
- i. CTPM DBM [ref. a, ch. 3]
- j. FTC [ref. a, ch. 3]
- k. SSC [ref. a, ch. 3]
- l. AREC [ref. a, ch. 3]
- m. CO [ref. a, ch. 3]
- n. TAO [ref. a, ch. 3] [ref. d]
- o. CICO [ref. d]
- p. Track supervisor [ref. d]
- q. Watch supervisor [ref. d]
- r. DBM
- s. ICO (ref. l)
- t. JICO (ref. j) CO
- u. C2WC [ref. a, ch. 3]
- v. CICWO [ref. f, ch. 1]
- w. ID Operator [ref. f, ch. 1]
- x. Intelligence Watch Officer [ref. a, ch. 3]
- y. SSTWC [ref. a, ch. 3]
- z. STWC [ref. a, ch. 3]
- aa. STWO [ref. a, ch. 3]

---

(Signature and Date)



## 104 OVER-THE-HORIZON-TARGETING (OTH-T) (BASIC) FUNDAMENTALS (CONT'D)

104.7 Define and discuss the following OTH-T phases: [ref. a, ch. 2]

---

(Signature and Date)

.8 Discuss the following as they pertain to navigational inputs: [ref. b]

- a. AN/SRN-25
- b. AN/SRN-19
- c. AN/WRN-6
- d. AN/WSN-5
- e. EM log
- f. Gyrocompass
- g. AN/SSN-2 PINS (Precise Integrated Navigation System) onboard MCMs

---

(Signature and Date)

## 105 OVER-THE-HORIZON-TARGETING (OTH-T) (ADVANCED) FUNDAMENTALS

### References:

- [a] NWP 3-20.7, Afloat OTH-T and Surveillance
  - [b] NAVEDTRA 14203, Operations Specialist 2
  - [c] NAVEDTRA 14202, Operations Specialist 1 & C
  - [d] NWP 62-2, Surface Ship Tomahawk Weapon System and Tactics (SNF)
  - [e] GCCS-M System User's Manual (Various Versions)
  - [f] CJCSI 3151.01A (series), Global Command and Control System Common Operational Picture Reporting Requirements
- 

105.1 Define and discuss the following OTH-T phases: [ref. a, ch. 2]

- a. Assessment
- b. Assignment and targeting
- c. Engagement planning and launch

---

(Signature and Date)

.2 For the following OTH-T weapons systems, what is their maximum/minimum range, maximum effective range, the type of seeker and guidance system they have, and their strengths and weaknesses:

- a. Harpoon [ref. b, ch. 6]
- b. TLAM [ref. d]

---

(Signature and Date)

.3 Discuss the following as they pertain to ambiguous reports: [ref. e]

- a. Causes
- b. Resolution

---

(Signature and Date)

.4 Discuss the purpose of archiving link contacts. [ref. e]

---

(Signature and Date)

## 105 OVER-THE-HORIZON-TARGETING (OTH-T) (ADVANCED) FUNDAMENTALS (CONT'D)

105.5 Explain the minimum data required in a contact report and how this data affects the DBM. [ref. a, ch. 4]

---

(Signature and Date)

.6 Discuss the purpose of the FOTC SITREP and how it pertains to the DBM. [ref. e]

---

(Signature and Date)

.7 Discuss the following management messages and the effects they will have on the receiving TDP: [ref. a, ch. 4]

- a. Delete
- b. Merge
- c. Delete position
- d. Delete line of bearing
- e. Pair

---

(Signature and Date)

**106 DATABASE MANAGEMENT FUNDAMENTALS**

References:

- [a] NWP 3-20.7, Afloat OTH-T and Surveillance  
 [b] GCCS-M System User's Manual (Various Versions)
- 

106.1 Discuss the purpose of database management. [ref. a, ch. 3]

---

(Signature and Date)

.2 Discuss the following as they relate to database management: [ref. b]

- a. System configuration:
  - 1. BGDBM mode
  - 2. Update toggles
- b. Input verification:
  - 1. Communications channels
  - 2. Sources
- c. Resolution and/or deconfliction of data:
  - 1. Responsibility
  - 2. Options
  - 3. Effects
- d. Output verification:
  - 1. Communications channels
  - 2. Recipients

---

(Signature and Date)

.3 Define and discuss the following categories of sensor systems: [ref. a, ch. 2]

- a. Dedicated
- b. Organic
- c. Remote

---

(Signature and Date.)

**106      DATABASE MANAGEMENT FUNDAMENTALS (CONT'D)**

106.4      Define and discuss the following data types: [ref. a, ch. 2]

- a.      Nonorganic
- b.      Organic

---

(Signature and Date)

## 107 COMMON TACTICAL PICTURE FUNDAMENTALS

### References:

- [a] NWP 3-20.7, Afloat OTH-T and Surveillance
  - [b] GCCS-M System User's Manual (Various Versions)
  - [c] Navywide Standing OPTASK COP/CTP
  - [d] NWP 3-56 (Rev. A), Composite Warfare Commander's Manual
  - [e] NWP 65-0-1, Characteristics and Capabilities of U.S. Navy Combatant Ships
  - [f] Local Subject Matter Expert
- 

107.1 Discuss the purpose of the CTPM (Common Tactical Picture Manager). [ref. a, ch 2]

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

.2 Discuss the duties and responsibilities of the CTPM. [ref. a, ch. 2; ref. d, ch. 10]

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

.3 Discuss the responsibilities of the following: [ref. b]

- a. Coordinator
- b. Participant
- c. Non-participant
- d. UID correlation
- e. FOTC/UID mixed

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

.4 Discuss the format of a FOTC SITREP. [ref. a, ch. 12]

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

## 107 COMMON TACTICAL PICTURE MANAGEMENT FUNDAMENTALS (CONT'D)

107.5 Discuss the purpose of the following: [ref. b]

- a. Input filters
- b. Output filters
- c. Source XREF table

---

(Signature and Date)

6 Discuss the procedure for the following: [ref. c]

- a. Establishing a Relative Maritime Picture environment
- b. Join a Relative Maritime Picture environment as a Participant (PT mode unit)
- c. Planned Coordinator (CT mode unit) shift
- d. Unplanned Coordinator (CT mode unit) shift

---

(Signature and Date)

.7 Discuss the difference between an aircraft carrier and other type units acting as the Coordinator (CT mode unit). [refs. e, f]

---

(Signature and Date)

.8 Discuss the reasons for deleting timelate tracks. [ref. a, ch. 7; ref. c]

---

(Signature and Date)

.9 Discuss the required entries for XREF table. [ref. b]

---

(Signature and Date)

## 108 TACTICAL DISPLAY FUNDAMENTALS

References:

[a] GCCS-M System User's Manual (Various Versions)

---

- 108.1 Discuss the function of the following:
- a. Integrated C4I System Framework (ICSF) window
  - b. Components of the Tactical Display:
    1. Menu Bar
    2. Main Toolbar
    3. Main Toolbar
    4. Standard Toolbar
    5. Status Bar
    6. Tracks Toolbar
    7. Map Toolbar
  - c. Graphical User Interface (GUI)
    1. Mouse
    2. Cursor
      - a. Arrow
      - b. Hourglass
  - d. GCCS-M Startup and Shutdown

---

(Signature and Date)

- .2 Define and discuss the following options from the ICSF (Chart) window Main Toolbar:
- a. Browse Back
  - b. Browse Forward
  - c. Whole World
  - d. Zoom In
  - e. Zoom Out
  - f. Zoom Map
  - g. Recenter Map
  - h. Refresh
  - i. Snap Shot / Save Screen Image
  - j. Auto Declutter
  - k. Compute the Range
  - l. Manual Declutter
  - m. Toggle Cartographer AOI Filter
  - n. Down Arrow
  - o. Up Arrow



## 108 TACTICAL DISPLAY FUNDAMENTALS (CONT'D)

- 108.2
- p. Right Arrow
  - q. Left Arrow
  - r. Scale
  - s. Range Circle
  - t. Range Bearing
  - u. Pan
  - v. Quick Point
  - w. Quick Range Bearing
  - x. Toggle Track Visibility Filtering
  - y. Reference Points

---

(Signature and Date)

- .3 Define and discuss the following options from the ICSF (Chart) window Standard Toolbar:

- a. Open
- b. Save
- c. Copy
- d. Paste
- e. Push Pin
- f. Power Point
- g. Tree Visibility
- h. Drill Down
- i. Roll Up

---

(Signature and Date)

- .4 Define and discuss the following ICSF (Chart) window Menus/Options in conjunction with permissions and software loads:

- a. Popup menus
- b. Pulldown menus
- c. Cascading menus
- d. Selecting tracks
- e. Trackball/mouse
- f. Windows:
  - 1. Active windows
  - 2. Inactive window
- g. Warning/Notification Windows
- h. Window Controls

## 108 TACTICAL DISPLAY FUNDAMENTALS (CONT'D)

- 108.4
- h.
    - 1. Minimize,
    - 2. Restore/Maximize
    - 3. Close
  - i. Title/Drag Bar
    - 1. Buttons
    - 2. Pop-up Menu
  - j. Scroll List
  - k. Focus Symbol/Cursor Use Symbol
  - l. Special Data Entry
    - 1. Position Hooking
    - 2. Automatic Time Entry
    - 3. Copy
    - 4. Paste
  - m. GCCS-M Fonts

---

(Signature and Date)

108.5 Define and discuss the following options from the ICSF (Chart) window Status Bar:

- a. Current Pointer Position options
  - 1. LAT/LONG in degrees, minutes, and seconds
  - 2. Military Grid Reference System (MGRS)
  - 3. Universal Transverse Mercator (UTM)
- b. Number of Objects
  - 1. Objects displayed
    - a. Entire map
    - b. Last map paint cycle
- c. Current map center and width
  - 1. Nautical Miles (NM)
  - 2. Kilometers (KM)
  - 3. Statute Miles (MI)
  - 4. Meters (M)
  - 5. Yards (YD)
  - 6. Feet (FT)
- d. Current date and time

---

(Signature and Date)

## 108 TACTICAL DISPLAY FUNDAMENTALS (CONT'D)

108.6 Define and discuss the following pull-down menu options from the ICSF (Chart) Menu Bar:

- a. File
  - 1. New Chart Window
    - a. Map Name
    - b. Features include:
      - 1. Raster Maps
      - 2. RPF Maps
      - 3. Terrain Shading
      - 4. Bottom Contours
      - 5. Terrain Contours
      - 6. Magnetic Variation
      - 7. VPF
- b. Edit
- c. View
- d. Map
  - 1. Whole World
  - 2. Zoom In (F3)
  - 3. Zoom Out (F2)
  - 4. Zoom Box (F1)
  - 5. Recenter (F4)
  - 6. Range
  - 7. Range Bearing
  - 8. Range Circle
  - 9. Base Map
  - 10. Advanced Map Settings
    - a. Units
    - b. Grids
    - c. Layers
    - d. Intensity
    - e. Palettes
    - f. Colors
    - g. Color Control
    - h. Country Colors
    - i. Country Labels
  - 11. Map Image Viewer
  - 12. Properties
  - 13. Load Map Products
    - a. CD
    - b. Disk
    - c. Map Neighborhood
    - d. JMS

## 108 TACTICAL DISPLAY FUNDAMENTALS (CONT'D)

- 108.6
14. Display Map Products
  15. Quick Draw
  16. Show Tooltip
  17. Roll Up Selected Map
  18. Drill Down Selected Map Items
    - a. Favorites
    - b. Plot Controls
    - c. Bookmarks
    - d. TDAs
    - e. Tracks
    - f. Corr/Bcst
    - g. Intelligence
    - h. TDAs
    - i. Tracks
    - j. WSM
    - k. Window
    - l. Help

---

(Signature and Date)

- .7 Define and discuss the following options from the Plot Controls pull-down on the ICSF (Chart) window Menu Bar:
- a. PLOT OPTIONS
  - b. TRACK FILTERS
  - c. SAVED PLOT CONTROLS
  - d. SYMBOLOGY
  - e. SET MASTER REF
  - f. FILTER SUMMARY
  - g. VISIBILITY OPTIONS
  - h. DECLUTTER OPTIONS

---

(Signature and Date)

## 108 TACTICAL DISPLAY FUNDAMENTALS (CONT'D)

108.8 Define and discuss the following Plot Option Window 17 tabs sub window options.

- a. SYMBOL LABELS
- b. ATTRIBUTE TOGGLE
- c. CATEGORY/THREAT
- d. ECHELON/THREAT
- e. LINK ATTRIBUTES TOGGLES
- f. TRACK HILITES
- g. TRACK TOGGLES
- h. MISC ECHELONS
- i. SPECIAL CONTROLS
- j. IADS CONFIGURE
- k. IFF CONFIGURE
- l. SPACE TRACK CONFIGURE
- m. DRAWING PAIRING LINES
- n. MISSEL PLOT CONTROLS
- o. AUTO PLOT OFF
- p. SLASH TIMES

---

(Signature and Date)

.9 Define and discuss the following options from the Bookmarks pull-down option the ICSF (Chart) window Menu Bar:

- a. Add Bookmark
- b. Edit Bookmarks

---

(Signature and Date)

.10 Define and discuss the following options from the Tools pull down option the ICSF (Chart) window Menu Bar:

- a. CHANGE MENU FONT
- b. CHANGE WINDOW FONT
- c. JMS DATA BROWSER

## 108 TACTICAL DISPLAY FUNDAMENTALS (CONT'D)

- 108.10
  - d. IMPORT EXPORT FILE LOG
  - e. ADD DATUM TRANSLATION
  - f. ARCHIVE RESTORE
  - g. FILE STATUS
  - h. SYSTEM COLOR PALETTE
  - i. SELECT TRACK EDITOR
  - j. AIR TASKING
    - 1. AIR TASKING ORDERS
    - 2. AIRSPACE CONTROL
    - 3. VISUALIZATION TOOL
  - k. JMTIC
  - l. PUSH PIN
  - m. COPY WINDOW TO POWERPOINT

---

(Signature and Date)

- .11 Define and discuss the following options from the TDA pull down option on the ICSF (Chart) window Menu Bar:

- a. OVERLAYS
- b. QUICK POINTS
- c. QUICK RANGE BEARING
- d. REFERENCE POINTS
- e. GEOSIT
- f. SET NAV UPDATE RATE
- g. ROUTES
- h. CGRS
- i. BEARING OVERLAY
- j. CAP ENGAGEMENT
- k. CROSSFIX
- l. FOUR WHISKEY
- m. SCREENKILO
- n. LIMITLINES
- o. QUICK CPA
- p. QUICK INTERCEPT
- q. SAR TOOLS
- r. SITES
- s. STATUSBOARD
- t. TIMELATE STATISTICS
- u. TRACK HISTORY ANALYSIS
- v. TWO TRACK ANALYSIS
- w. SATELITE SUMMARY

---

(Signature and Date)

## 108 TACTICAL DISPLAY FUNDAMENTALS (CONT'D)

108.12 Define and discuss the following options from the TRACKS pull-down menu on the ICSF (Chart) window Menu Bar:

- a. New
  - 1. Platform
  - 2. Unit
  - 3. ELINT
  - 4. Acoustic
  - 5. MOOTW\_UEI
- b. ADD REPORT
- c. EDIT OWN TRACK (ALT+SHIFT+O).
- e. DELETE TRACK
- f. COMPARE (ALT+SHIFT+M).
- g. TRANSMIT TRACKS (ALT+SHIFT+X).
- h. TRACK STATUS
- i. AUTO TRANSMIT\_CONFIG
- j. TRACK SUMMARIES
  - 1. TRACK
  - 2. TRACK SELECTED
  - 3. TRACK AMBIGUITY
  - 4. PLATFORM
  - 5. PLATFORM SELECTED
  - 6. PLATFORM AMBIGUITY
  - 7. ELINT
  - 8. ELINT SELECTED
  - 9. ELINT AMBIGUITY
  - 10. ACOUSTIC
  - 11. ACOUSTIC SELECTED
  - 12. ACOUSTIC AMBIGUITY
  - 13. UNIT SELECTED
  - 14. UNITACOUSTIC AMBIGUITY
  - 15. LINK
  - 16. GENERAL
  - 17. SPACE
- k. TRACK TABLES
  - 1. FLAG THREAT
  - 2. MARITIME ID
  - 3. HFDF
  - 4. SENSOR
  - 5. SOURCE CODE
  - 6. SYNONYM
  - 7. XREF
  - 8. REPORT LOG
  - 9. INPUT GEO FILTERS
  - 10. TMS DOWNSTREAM TRACK FILTERS
  - 11. ELINT Tables
    - a. AEN

## 108 TACTICAL DISPLAY FUNDAMENTALS (CONT'D)

- 108.12
  - b. ELINT Configuration
  - c. ELNOT Characteristics
  - d. ELNOT Synonym
  - e. PDDG
  - f. Radar Function
  - g. RF Band Center
  - h. Radar Scan Types
  - i. CI Compatibility
- 12. SHIP TABLES
  - a. Callsign
  - b. Ship Class
  - c. Ship Type
- 13. UNIT TABLES
  - a. Platform
  - b. Template
  - c. Echelon
  - d. JUNIT Synonyms
  - e. Organization Type
  - f. Brevity Code
- 14. LINK TABLES
  - a. PIF
  - b. PIF DI Nickname
- l. Duplicates
- m. QUICK SEARCH (ALT+Shift+Q)
- n. Database Search (ALT+Shift+S)
- o. SEARCH TO REPLACE
- p. TMS DATABASE STATUS
- q. MISSILE
  - 1. MISSILE ALERTS
  - 2. MISSILE SETTINGS
  - 3. MISSILE SUMMARY
  - 4. DISPLAY MODE
    - a. ALL MISSILES
    - b. IN-FLIGHT MISSILES
    - c. REAL MISSILES
- r. CENTER ON
  - 1. TRACK
  - 2. OWN TRACK
  - 3. FOLLOW
  - 4. SELECTED TRACKS
- s. TRACK GROUPS



## 108 TACTICAL DISPLAY FUNDAMENTALS (CONT'D)

- 108.12 t. LINK CONTROLS
1. LINK DLRP
  2. LINK ARCHIVE
  3. LINK AUTO-DELETE
  4. LINK STATUS
  5. LINK EXCLUSION FILTER

---

(Signature and Date)

- 108.13 Define and discuss the following options from the CORR/BCST pull-down menu on the ICSF (Chart) window Menu Bar:

- a. PARAMETERS
- b. TMS CONTROLS
- c. BROADCAST
- d. SIT REP
- e. SIT REP SUMMARY

---

(Signature and Date)

- .14 Define and discuss the following options from the TBMD pull-down menu on the ICSF (Chart) window Menu Bar:

- a. TES CONNECTIVITY STATUS
- b. THEATHER SUMMARY
- c. THEATHER DEFINITION
- d. CORRELATOR RESULTS MATRIX
- e. CORRELATION TOLERANCES
- f. TBMWD HELP

---

(Signature and Date)

- .15 Define and discuss the following options from the Intelligence pull-down menu on the ICSF (Chart) window Menu Bar:

- a. MODIFY NID
- b. GMI QUERY
- c. ORDER OF BATTLE MAINTENANCE
- d. ITS ADMIN
- e. IMAGE VIEWER
- f. IMAGE IMPORT/EXPORT

## 108 TACTICAL DISPLAY FUNDAMENTALS (CONT'D)

108.15 Following options are from the GCCS-M Version 4.0.2.0 Rev. 6:

- a. Show Product Manager
- b. Analyst Workshop
- c. Order Of Battle Maintenance
- d. JIVE
- e. Image Manager

---

(Signature and Date)

.16 Define and discuss the options from the Link 11 pull-down menu on the ICSF (Chart) window Menu Bar:

---

(Signature and Date)

.17 Define and discuss the options from the MTC pull-down menu on the ICSF (Chart) window Menu Bar.

---

(Signature and Date)

.18 Define and discuss the following options from the Help pull-down menu on the ICSF (Chart) window Menu Bar:

- a. SYSTEM-LEVEL HELP
- b. WINDOW-LEVEL HELP
- c. SEARCH
- d. EMBEDDED TRAINING

---

(Signature and Date)

## 108 TACTICAL DISPLAY FUNDAMENTALS (CONT'D)

108.19 Define and discuss the following Communications options from the Universal Communications Processor (UCP) window:

- a. FILE
- b. VIEW
- c. TACTICAL
- d. CHANNEL DEFAULTS
- e. HELP
- f. ICONS
  - 1. INCOMING MESSAGE LOG
  - 2. OUTGOING MESSAGE LOG
  - 3. MESSAGE EDITOR
  - 4. OPNOTES
  - 5. CHANNEL MANAGER
  - 6. NETWORK HOST TABLE
  - 7. E-MAIL DIRECTORY
  - 8. AUTO-FORWARD TABLE
  - 9. DDN NET PING (older versions)
  - 10. STU III TABLE
  - 11. MSG FILTER TABLE
  - 12. WAN STATUS
  - 13. ARCHIVE
  - 14. ADD CHANNEL
  - 15. MODIFY CHANNEL
  - 16. DELETE
  - 17. START
  - 18. STOP
  - 19. RESTART
  - 20. CHANNEL 10 STREAM
  - 21. PRINT
- g. CHANNEL STATUS

---

(Signature and Date)

## 109 COMMUNICATIONS FUNDAMENTALS

### References:

- [a] NWP 3-20.7, Afloat OTH-T and Surveillance
  - [b] NAVEDTRA 14203, Operations Specialist 2
  - [c] Navywide Standing OPTASK COP/CTP
  - [d] NTP-3(H), Naval Telecommunications Procedures, Telecommunications User's Manual
  - [e] COMSPAWAR EE-685-AA-MMC-930/USQ-119A (V), Technical Manual Force Level System Maintenance Manual
  - [f] GCCS-M System User's Manual (Various Versions)
- 

109.1 Discuss the following primary GCCS-M external circuits:

- a. SUW C & R [ref. b, ch.6]
- b. Fleet broadcast [ref. a, ch. 6]
- c. TACINTEL [ref. a, ch. 6]
- d. TADIL A [ref. a, ch. 6]
- e. TADIL J [ref. a, ch. 6]
- f. TADIXS-B [ref. a, ch. 6]
- g. TRE/TRAP [ref. a, ch. 6]
- h. NETWORK (ref.c)
- i. CSTTCP (ref. c)

---

(Signature and Date)

.2 Discuss the following GCCS-M broadcasts: [ref. d]

- a. BFL
- b. EBE
- c. FOTC
- d. HIT
- e. LINK 11
- f. Satellite vulnerability
- g. TOSP
- h. JTT/TRE

---

(Signature and Date)

## 109 COMMUNICATIONS FUNDAMENTALS (CONT'D)

109.3 Describe the functions of the following:

- a. V14 [ref. a, app. C]
- b. GFCP [ref. a, app. C]

---

(Signature and Date)

.4 Discuss the following types of messages: [ref. d]

- a. Locator [Annex 3H]
- b. MTF [ch. 2]
- c. ATO/Green [Annex 3B]
- d. USMTF [ch. 1]

.5 Discuss the following types of messages format: [ref. d]

- a. TCP-IP [Annex 3H]
- b. OTH Gold [ch. 2]

---

(Signature and Date)

.6 Discuss the following precedence: [ref. d, ch. 5]

- a. Emergency
- b. Flash
- c. Immediate
- d. Priority
- e. Routine

---

(Signature and Date)

.7 Describe the components of the following: [ref. d, ch. 2]

- a. Address
- b. Heading

---

(Signature and Date)

## 109 COMMUNICATIONS FUNDAMENTALS (CONT'D)

109.8 Define and identify the following: [ref. d]

- a. Action addressee [ch. 6]
- b. Classification [ch. 1]
- c. Downgrading/reviewing instructions [Annex C]
- d. Drafter [ch. 1]
- e. DTG [ch. 4]
- f. Information addressee [ch. 6]
- g. Originator [ch. 1]
- h. Precedence [ch. 4]
- i. Reference line [ch. 7]
- j. Releaser [ch. 1]
- k. SSIC [ch. 7]
- l. Subject line [ch. 7]
- m. Text [ch. 8]
- n. User [ch. 1]

---

(Signature and Date)

.9 Define and discuss the following COP synchronization tools: [ref. e]

- a. Node list
- b. Prefconfigure
- c. Topology
- d. Objects
- e. DB SYNC
- f. Owntrack update interval
- g. LINK association down-sample

The following options are available on GCCS-M Version 4.0.2.0 Rev. 6

- a. CST Assoc Downsample
- b. CST DB Sync
- c. CST DFLM LAN Master
- d. CST Node List
- e. CST Ownership Update Int
- f. CST Preconfigure
- g. CST Time Sync
- h. CST Topology

---

(Signature and Date)

## 109 COMMUNICATIONS FUNDAMENTALS (CONT'D)

109.10 Define and discuss the following COP Synchronization Tool channels: [ref. f]

- a. CSTTCP

---

(Signature and Date)

.11 Describe the functions of the following systems: [ref. a]

- a. SHF
  - 1. DSCS
  - 2. CWSP
- b. EHF
- c. NECC
- d. INMARSAT
- e. INMARSAT B HSD
- f. AN/USC-69(V1) Commercial Broadband for MCMs and PCs

---

(Signature and Date)

## 110 GCCS-M NODES FUNDAMENTALS

### References:

- [a] NWP 3-20.7, Afloat OTH-T and Surveillance
  - [b] CJCSI 3151.01A, Global Command and Control System Common Operational Picture Reporting Requirements
  - [c] Navy Wide OPTASK COP/CTP
- 

110.1 Discuss the following command centers to include their function, location, and primary data management and dissemination responsibilities: [ref. a, ch. 2]

- a. FCC [ref. a, ch. 2]
- b. STT [ref. a, ch. 2]
- c. CMSA [ref. a, ch. 2]
- d. JFACC [ref. a, ch. 2]
- e. ONI [ref. a, ch. 2]
- f. AIC [ref. a, ch. 2]
- g. JICPAC [ref. a, ch. 2]
- h. IUSS [ref. a, ch. 2]
- i. NOPF [ref. a, ch. 2]
- j. JFLCC (ref. b, encl b)
- k. JFMCC (ref. b, encl b)
- l. TSC/MOCC [ref. a, ch. 2]
- m. CCS (ref. b)

---

(Signature and Date)

.2 Discuss the following messages to include their function in primary data management and dissemination responsibilities: [ref. c]

- a. COCOM OPTASK COP/CTP
- b. Navy Wide OPTASK COP/CTP
- c. OPTASK COP/CTP Supp
- d. Strike Group OPTASK COP/CTP Supplement
- e. Weekly Intentions Message (WIM)
- f. Daily Intentions Message (DIM)

---

(Signature and Date)



## 110 GCCS-M NODES FUNDAMENTALS (CONT'D)

110.3 Explain the purpose of filters. [ref. c]

---

(Signature and Date)

.4 Discuss the following commands to include what Red, White or Blue data they have responsibilities for management and dissemination: [ref. c]

- a. WMO
- b. FNOC
- c. ONI
- d. Fleet Sightings
- e. Lloyds of London
- f. Allied Tactical Publications

---

(Signature and Date)

.5 Discuss the following command to include their function, location, and primary responsibilities:

- a. NORTHCOM
- b. JFCOM
- c. PACOM
- d. CENTCOM
- e. EUCOM
- f. TRANSCOM
- g. SOUTHCOM
- h. STRATCOM
- i. SOCOM
- j. JTF

---

(Signature and Date)

## 111 JOINT OPERATIONS FUNDAMENTALS

### References:

- [a] NAVYWIDE OPTASK COP/CTP
  - [b] CJCSM 3115.01, Joint Data Network (JDN) Operations
  - [c] CJCSI 3151.01A, Global Command and Control System Common Operational Picture Reporting Requirements
  - [d] Ultra Electronics Command and Control, INC Website (<http://www.ultra-ccs.com/capabilities/>)
- 

111.1 Explain the general duties and responsibilities of the following individual nodes as they apply to DATA MANAGEMENT within the COP organizational structure:  
(ref. c)

- a. Theater Combatant Commanders
- b. Combatant Commanders
- c. JFACC
- d. JFLCC
- e. JFMCC
- f. JFSOCC
- g. JICO
- h. Track Manager
- i. CCS

---

(Signature and Date)

.2 Discuss the various functions and actions required to establish and maintain a COP environment using CST: [ref. a, c]

- a. COP design
- b. Permission
- c. Initialization

---

(Signature and Date)

## 111 JOINT OPERATIONS FUNDAMENTALS (CONT'D)

111.3 Explain the CST architecture. [ref. c,]

---

(Signature and Date)

.4 Explain how SITREP time slots are assigned in a CST environment. [ref. c]

---

(Signature and Date)

.5 Explain the various functions that may be performed by a CST Node in a CST environment:

- a. Master node [ref. a, app. b]
- b. Parent node [ref. a, app. b]
- c. Child node [ref. a, app. b]
- d. Parent/Child node [ref. a, app. b]

---

(Signature

.6 Explain the following elements as they apply to COP reporting requirements: (ref. c)

- a. Overlays
- b. ATO
- c. IPL

---

(Signature and Date)

.7 Explain the following joint ground station capabilities and how they interface within the joint data network and COP environment: [ref. b, c]

- a. U.S. Air Force
  - 1. AOC
  - 2. CRC
  - 3. CRE
- b. U.S. Marines
  - 1. TACC
  - 2. TAOC
  - 3. EWC
- c. U.S. Army
  - 1. ICC (Patriot)

---

(Signature and Date)

**111      JOINT OPERATIONS FUNDAMENTALS (CONT'D)**

111.8      Explain ADSI capabilities. [ref. d]

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

.9      Describe the responsibilities of a JICO. [ref. a; ref. b, sec 4.6]

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

.10      Discuss the purpose of a Joint Data Network. [ref. b, c]

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

## 200 INTRODUCTION TO SYSTEMS

### 200.1 BASIC BUILDING BLOCKS

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

### 200.2 COMPONENTS AND COMPONENT PARTS

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

### 200.3 FORMAT

Each system is organized within the following format:

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

### 200.4 HOW TO COMPLETE

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



## 201 GCCS-M EQUIPMENT SYSTEM CONFIGURATION (BASIC)

### References:

- [a] Documentation Management Infrastructure (DMI)
  - [b] Combat System Operational Sequencing System (CSOSS) Manual
  - [c] OPNAVINST 5100.19D (CH-1), Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat
  - [d] EE130-BG-OMI-010/ANUSQ-64(V) 7, 8, Operations and Maintenance Instructions for Communications System, Control Central, AN/USQ-64(V) 7, 8
  - [e] Computer Software User's Manual (SUM) for the Generic Front-End Communications Processor (GFCP)
  - [f] Local Subject Matter Expert
- 

### 201.1 SYSTEM COMPONENTS AND COMPONENT PARTS

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

- A. What is its function?
- B. Where is it located?
- C. What are the sources of power?
- D. What are the modes of operation or control?
- E. What are the safety/protective devices for this component/component part?
- F. What protection is provided by this component/component part?
- G. What are the probable indications if this component fails?
- H. What is the function of each position?

#### 201.1.1 SUN NETRA. Solaris Operating System (OS) [ref. d, ch. 4]

- |                        | <b><u>Questions</u></b> |
|------------------------|-------------------------|
| a. CPU [ref. a]        | A<br>A B C E G          |
| 1. On/off switch       | A B                     |
| 2. Data tape drive     | A B G                   |
| 3. Floppy disk drive   | A B G                   |
| 4. CD-ROM              | A B G                   |
| .2 Monitor(s) [ref. a] | A B C G                 |
| a. On/off switch       | A B                     |
| b. Brightness control  | A B                     |

**201 GCCS-M EQUIPMENT SYSTEM CONFIGURATION (BASIC) (CONT'D)**

**Questions**

201.1.3	Keyboard [ref. a]	A B G
	a. Alphanumeric keypad [ref. a]	A B
	b. Cursor keys [ref. a]	A B
	c. Function keys [refs. a, b]	A B
	d. Shift+=ALT keys [refs. a]	A B
.4	Trackball/mouse [ref. a]	A B G
.5	UPS [ref. b]	A B C D F G H
.6	Printer [ref. a]	A B C D G
.7	GFCP [ref. e, sec. 3; ref. b]	A B C D G H

---

(Signature and Date)

**201.2 PRINCIPLES OF OPERATION**

- 201.2.1 How do the components work together to achieve the system's function? [ref. a]
- .2 What indications are received if the system is malfunctioning? [ref. a]

---

(Signature and Date)

**201.3 PARAMETERS/OPERATING LIMITS – None to be discussed.**

**201.4 SYSTEM INTERFACE**

- 201.4.1 How do the following outside influences affect the operation of this system:
- a. Loss of air-conditioning [refs. f, h]
  - b. Loss/variation of power [refs. f, hi]
  - c. Loss of inputs [ref. d, chs. 5, 7]
  - d. Loss of outputs [ref. d, chs. 5, 7]
- .2 How does this system interface with the following: [ref. b]
- a. LINK-11
  - b. LINK-16
  - c. Navigation
  - d. IBS
  - e. SPIRNET
  - f. NETWORK
  - g. CSTTCP

---

(Signature and Date)



**201 GCCS-M EQUIPMENT SYSTEM CONFIGURATION (BASIC) (CONT'D)**

201.5 SAFETY PRECAUTIONS

201.5.1 What safety precautions must be observed when operating this system?  
[ref. c, vol. II, ch. C9]

.2 What special safety precautions apply when operating the following:  
[ref. c, vol. II, ch. C9]

- a. Monitor
- b. UPS

---

(Signature and Date)

## 202 GCCS-M EQUIPMENT SYSTEM CONFIGURATION (ADVANCED)

### References:

- [a] Computer Software User's Manual (SUM) for the Generic Front-End Communications Processor (GFCP)
  - [b] Coast Guard's Navigational and Vessel inspection Circular (NVIC) 8-01
  - [c] User's Manual (UM) for COP Synchronization Tools (CST), Version 2.0.8.0
  - [d] Documentation Management Infrastructure (DMI)
- 

### 202.1 SYSTEM COMPONENTS AND COMPONENT PARTS

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

- A. What is its function?
- B. Where is it located?
- C. What are the sources of power?
- D. What are the modes of operation or control?
- E. What are the probable indications if this component fails?

### Questions

- |         |                               |   |         |
|---------|-------------------------------|---|---------|
| 202.1.1 | V14 (ref. a, sec 3; ref b)    |   |         |
| .2      | GFCP [ref. a, sec. 3; ref. b] | A | B C D E |
| .3      | CST [ref. c, sec. 3.1]        |   | A B D   |

---

(Signature and Date)

### 202.2 PRINCIPLES OF OPERATION

- 202.2.1 How do the components work together to achieve the system's function? [ref. d]

## 202 GCCS-M EQUIPMENT SYSTEM CONFIGURATION (ADVANCED) (CONT'D)

202.2.2 What is the sequence of component involvement to initiate the following: [ref. d]

- a. Workstation operation
- b. Printout
- c. Transmit/receive data
- d. External data storage/retrieval

---

(Signature and Date)

202.3 PARAMETERS/OPERATING LIMITS – None to be discussed.

202.4 SYSTEM INTERFACE

202.4.1 How does this system interface with the following: [refs. b, d]

- a. SIPRNET
- b. ACDS/NTDS/TDS
- c. LINK-11
- d. LINK-16
- e. HIT/LINK 14
- f. SPA-25G
- g. Radiant mercury
- h. Navigation
- i. AIS
- j. ADSI
- k. ATO-Kermit
- l. GEN Kermit
- m. NAVMACS
- n. GFCP
- o. STU-III
- p. S-TREAD
- q. APS/MDS
- r. TBMCS
- s. GCCS-T
- t. GALE LITE

---

(Signature and Date)

202.5 SAFETY PRECAUTIONS – None to be discussed.



## 300 INTRODUCTION TO WATCHSTATIONS

### 300.1 INTRODUCTION

The Watchstation section defines what to thoroughly demonstrate to your Qualifier using the knowledge you have gained in the previous sections. It allows you to practice the tasks required for your watchstation and to handle abnormal conditions and emergencies. Before starting your assigned tasks, you must complete the prerequisites that pertain to the performance of that particular task. Satisfactory completion of all prerequisites is required prior to achievement of final watchstation qualification.

### 300.2 FORMAT

Each watchstation in this section contains:

- A FINAL QUALIFICATION PAGE, which is used to obtain the required signatures for approval and recording of Final Qualification.
- PREREQUISITES, which are items that must be certified completed before you can begin qualification for a particular watchstation. Prerequisites may include schools, watchstation qualifications from other PQS books, and fundamentals, systems, or watchstation qualifications from this book. Prior to signing off each prerequisite line item, the Qualifier must verify completion from existing records. Record the date of actual completion, not the sign-off date.
- WATCHSTATION Performance, which is the practical factors portion of your qualification. The performance is broken down as follows:

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

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

## 300 INTRODUCTION TO WATCHSTATIONS (CONT'D)

### 300.3 OPERATING PROCEDURES

The PQS deliberately makes no attempt to specify the procedures to be used to complete a task or control or correct a casualty. The only proper sources of this information are the technical manuals, Engineering Operational Sequencing System (EOSS), Naval Air Training and Operating Procedures Standardization (NATOPS) or other policy-making documents prepared for a specific installation or a piece of equipment. Additionally, the level of accuracy required of a trainee may vary from school to school, ship to ship, and squadron to squadron based upon such factors as mission requirements. Thus, proficiency may be confirmed only through demonstrated performance at a level of competency sufficient to satisfy the Commanding Officer.

### 300.4 DISCUSSION ITEMS

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

### 300.5 NUMBERING

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

### 300.6 HOW TO COMPLETE

After completing the required prerequisites applicable to a particular task, you may perform the task under the supervision of a qualified watchstander. If you satisfactorily perform the task and can explain each step, your Qualifier will sign you off for that task. You may then be required to stand a watch or a number of watches to earn qualification. There are two levels of supervision for this:

- Under Instruction: You will perform the duties and tasks of the watchstation under the direct supervision of a qualified watchstander or supervisor. This is intended to be a one-on-one training situation.
- Under qualified supervision: You will perform the duties and tasks of the watchstation with minor guidance from a qualified watchstander or supervisor. This is intended to allow you to develop proficiency in an 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 43555-3

301 GCCS-M OPERATOR

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

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

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

The trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified GCCS-M OPERATOR (NAVEDTRA 43555-3).

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

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

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

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

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





**301 GCCS-M OPERATOR**

Estimated completion time: 10 weeks

---

301.1 PREREQUISITES

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

301.1.1 FUNDAMENTALS FROM THIS PQS:

101 Safety

Completed \_\_\_\_\_ 1% of Watchstation  
(Qualifier and Date)

102 Security

Completed \_\_\_\_\_ 1% of Watchstation  
(Qualifier and Date)

103 GCCS Common Operational Picture/Maritime

Completed \_\_\_\_\_ 1% of Watchstation  
(Qualifier and Date)

104 Over The Horizon Targeting (OTH-T) (Basic)

Completed \_\_\_\_\_ 1% of Watchstation  
(Qualifier and Date)

108 Tactical Display

Completed \_\_\_\_\_ 1% of Watchstation  
(Qualifier and Date)

.2 SYSTEMS FROM THIS PQS:

201 GCCS-M Equipment System Configuration (Basic)

Completed \_\_\_\_\_ 1% of Watchstation  
(Qualifier and Date)

**301 GCCS-M OPERATOR (CONT'D)**

301.2 TASKS

For the tasks listed below:

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

301.2.1 Energize equipment (2 times)

Questions  
A B C E F G

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

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

.2 Perform logon procedures (2 times)

A B G

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

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

.3 Start chart services (2 times)

A B G

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

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

.4 Perform the following HCI functions: (2 times)

- a. ZOOM
- b. IN/OUT
- c. PAN
- d. CENTER
- e. REDRAW
- f. DRAG BAR

A B G  
A B G  
A B G  
A B G  
A B G  
A B G

**301 GCCS-M OPERATOR (CONT'D)**

**Questions**

- |         |    |                       |       |
|---------|----|-----------------------|-------|
| 301.2.4 | g. | EDIT FIELD DATA ENTRY | A B G |
|         | h. | ICON BOX              | A B G |
|         | i. | Popup menu            | A B G |
|         | j. | CLOSE BOX             | A B G |
|         | k. | Function keys         | A B G |
|         | l. | ALT keys              | A B G |

---

(Signature and Date)

---

(Signature and Date)

- .5 Set windows/font menu (2 times) A B G

---

(Signature and Date)

---

(Signature and Date)

- .6 Set default chart (2 times) A B G

---

(Signature and Date)

---

(Signature and Date)

- .7 Store a map (2 times) A B G

---

(Signature and Date)

---

(Signature and Date)

- .8 Recall/delete a stored map (2 times) A B G

---

(Signature and Date)

---

(Signature and Date)

**301 GCCS-M OPERATOR (CONT'D)**

**Questions**

301.2.9 View map list (2 times)

A B G

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

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

.10 Center/width map (2 times)

A B G

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

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

.11 Demonstrate MAP MANAGER (2 times)

A B G

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

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

.12 Modify and save the tactical display using color set and intensity (2 times)

A B G

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

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

.13 Change country colors (2 times)

A B G

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

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

**301 GCCS-M OPERATOR (CONT'D)**

**Questions**

301.2.14 Activate/deactivate map features (2 times)

A B G

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

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

.15 View CHART MONITOR (2 times)

A B G

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

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

.16 Modify Symbols ON/ OFF/ DOTS (2 times)

A B G

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

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

.17 Modify symbol labels (2 times)

A B G

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

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

.18 Modify special plot controls (2 times)

A B G

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

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

**301      GCCS-M OPERATOR (CONT'D)**

**Questions**

301.2.19    Set auto plot off times (2 times)

A B G

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

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

.20    Select appropriate track type toggles (2 times)

A B G

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

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

.21    Select appropriate track type highlights (2 times)

A B G

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

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

.22    Select appropriate attributes toggles (2 times)

A B G

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

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

.23    Select appropriate attributes highlights (2 times)

A B G

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

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

**301 GCCS-M OPERATOR (CONT'D)**

**Questions**

301.2.24 Demonstrate GEO-SIT functions (2 times)

A B G

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

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

25 Activate SITE controls (2 times)

A B G

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

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

.26 Demonstrate DYNAMIC DECLUTTER/FREEZE DECLUTTER functions (2 times)

A B G

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

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

.27 Set master reference track (2 times)

A B G

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

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

.28 Select track for editing in a Maritime environment (2 times)

A B G

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

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

**301 GCCS-M OPERATOR (CONT'D)**

**Questions**

301.2.29 Edit track using the TRACK EDIT menu in a Maritime environment (2 times)

A B G

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

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

30 Edit track using the TRACK popup menu in a Maritime environment (2 times)

A B G

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

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

.31 Create a new track from a line of bearing (2 times)

A B G

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

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

.32 Create a new track from a bearing box (2 times)

A B G

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

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

.33 Create a new ELINT track (2 times)

A B C G

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

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



**301 GCCS-M OPERATOR (CONT'D)**

		<u>Questions</u>
301.2.34	Enter, select, view, edit, and delete an acoustic track (2 times)	A B C F G
	_____	
	(Signature and Date)	
	_____	
	(Signature and Date)	
35	Create a new unit track (2 times)	A B C G
	_____	
	(Signature and Date)	
	_____	
	(Signature and Date)	
.36	Display a track using different methods for selecting tracks including the SELECT ALL method (2 times)	A B G
	_____	
	(Signature and Date)	
	_____	
	(Signature and Date)	
.37	Demonstrate track database query using the SEARCH function (2 times)	A B G
	_____	
	(Signature and Date)	
	_____	
	(Signature and Date)	
.38	Perform a quick search of a track (2 times)	A B G
	_____	
	(Signature and Date)	
	_____	
	(Signature and Date)	

**301 GCCS-M OPERATOR (CONT'D)**

**Questions**

301.2.39 Print track database summary (2 times)

A B G

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

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

.40 Select columns in the track summaries windows (2 times)

A B G

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

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

.41 Access and view all track tables (2 times)

A B G

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

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

.42 Access and edit ship's synonym window (2 times)

A B G

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

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

.43 Access and edit PIF window (2 times)

A B G

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

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

**301 GCCS-M OPERATOR (CONT'D)**

**Questions**

301.2.44 Enter/edit link DLRP (2 times)

A B C G

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

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

.45 Add/edit/delete Route (PIM) (2 times)

A B G

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

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

.46 Transmit/export Route (PIM) (2 times)

A B C D G

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

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

.47 Activate and display imported Route (PIM) (2 times)

A B C D F G

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

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

.48 Add/edit/delete an overlay (2 times)

A B C G

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

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

**301 GCCS-M OPERATOR (CONT'D)**

**Questions**

A B C D G

301.2.49 Transmit/export an overlay (2 times)

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

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

.50 Activate and display imported overlay (2 times)

A B C D F G

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

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

.51 Utilize an overlay filter (2 times)

A B G

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

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

.52 Add/edit/delete a track group (2 times)

A B C G

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

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

.53 Create/modify and activate SCREEN K (2 times)

A B C G

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

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

**301 GCCS-M OPERATOR (CONT'D)**

**Questions**

301.2.54 Export/transmit SCREEN K (2 times)

A B C D G

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

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

.55 Activate/display imported SCREEN K (2 times)

A B C D G

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

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

.56 Create/modify and activate 4W grid (2 times)

A B C G

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

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

.57 Export/transmit 4W grid (2 times)

A B C D G

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

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

.58 Activate/display imported 4W grid (2 times)

A B C D G

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

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

**301 GCCS-M OPERATOR (CONT'D)**

**Questions**

301.2.59 Perform quick CPA function (2 times)

A B G

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

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

.60 Perform quick intercept (2 times)

A B C G

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

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

.61 Perform two-track analysis (2 times)

A B C G

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

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

.62 Perform track history analysis (2 times)

A B C G

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

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

.63 View time late statistics (2 times)

A B C G

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

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

**301 GCCS-M OPERATOR (CONT'D)**

**Questions**

301.2.64 Add/delete, edit, and monitor status board (2 times)

A B G

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

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

.65 Display MOBOARD overlay (2 times)

A B G

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

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

.66 Perform cross-fix (2 times)

A B C G

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

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

.67 Create SAR plan (2 times)

A B C G

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

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

.68 Perform coordinate conversion function (2 times)

A B C G

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

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

**301 GCCS-M OPERATOR (CONT'D)**

**Questions**

301.2.69 Create/edit/save power point slide (2 times)

A B C G

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

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

.70 Recall/print power point slide a slide (2 times)

A B C G

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

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

.71 Perform brief using Power Point slides (2 times)

A B C G

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

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

.72 Utilize Power point brief menu (2 times)

A B G

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

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

.73 Archive and restore ROUTES (2 times)

A B C G

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

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



**301 GCCS-M OPERATOR (CONT'D)**

**Questions**

A B C G

301.2.74 Import view and plot an ATO (4 times)

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

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

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

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

.75 View/print satellite summary data (2 times)

A B C D G

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

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

.76 Select/display land sites (4 times)

A B C G

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

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

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

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

**301 GCCS-M OPERATOR (CONT'D)**

**Questions**

301.2.77 Add/delete/modify land sites (2 times)

A B C G

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

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

.78 View incoming OPNOTES (2 times)

A B D G

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

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

.79 Create and send an OPNOTE (2 times)

A B C D G

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

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

.80 Bring up the Universal Communication Processor window (5 times)

A B C D G

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

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

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

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

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

**301 GCCS-M OPERATOR (CONT'D)**

**Questions**

301.2.81 View incoming/outgoing message log (2 times)

A B D G

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

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

.82 View raw message data (2 times)

A B D G

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

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

.83 Create general message header for outgoing message  
(4 times)

A B C G

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

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

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

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

.84 View raw steam window (2 times)

A B G

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

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

**301 GCCS-M OPERATOR (CONT'D)**

**Questions**

301.2.85 View channel status (2 times)

A B G

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

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

.86 Determine EMCON status (2 times)

A B C G

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

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

.87 Display track totals of system (3 times)

A B G

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

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

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

.88 View/create alert filter (2 times)

A B C G

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

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

.89 View alert log (2 times)

A B G

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

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

**301 GCCS-M OPERATOR (CONT'D)**

**Questions**  
A B G

301.2.90 Select/print using PRINTER CHOOSER option (2 times)

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

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

.91 Connect to local AOR server and local chat room. (2 times)

A B G

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

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

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

.92 Compare two tracks using the COMPARE function (2 times)

A B G

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

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

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

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

.93 Review report log (2 times)

A B D G

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

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

**301 GCCS-M OPERATOR (CONT'D)**

**Questions**  
A B C D F G

301.2.94 Activate/deactivate TBMD warning system (4 times)

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

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

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

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

.95 Verify MIW Menu is available on GCCS-M Toolbar (4 times)

A B G

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

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

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

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

.96 Verify MCM Planning Database is available (2 times)

A B G

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

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

**301 GCCS-M OPERATOR (CONT'D)**

**Questions**

A B C G

301.2.97 Activate MCM Planning from MIW toolbar (4 times)

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

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

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

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

.98 Activate MEDAL MIW Database (2 times)

A B C G

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

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

.99 Create new MEDAL MIW Database from MCM Working Directory (4 times)

A B C G

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

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

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

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

.100 Deactivate MEDAL MIW Database (2 times)

A B C G

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

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

**301 GCCS-M OPERATOR (CONT'D)**

**Questions**

301.2.101 Verify MCM PLOT TOGGLES are activated (2 times)

A B C G

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

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

.102 Verify MEDAL Contact Control Toggles are configured (2 times)

A B C G

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

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

.103 Create Mine Contact via Contact Mgmt/Contact Directory (4 times)

A B C G

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

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

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

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

.104 Verify Mine Contact was added to Contact Mgmt/Contact Directory (4 times)

A B C G

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

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

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

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



**301 GCCS-M OPERATOR (CONT'D)**

**Questions**

301.2.105 Create MEDAL Areas (Polygon box, Q-Route, Circle (MDA) via MEDAL AREA MGMT (3 times each)

A B C G

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

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

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

.106 Configure MEDAL MCM Message Processing Parameters to auto process MCM1 and MCM formatted message types (4 times)

A B C D G

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

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

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

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

.107 Configure MCM Broadcast Parameters to transmit MEDAL data via NETWORK communications (4 times)

A B C D G

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

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

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

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

**301      GCCS-M OPERATOR (CONT'D)**

**Questions**

A B C D G

301.2.108 Transmit MEDAL MCM Area (4 times)

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

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

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

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

.109 Transmit MEDAL Contact Report (MRN/CRN) (4 times)

A B C D G

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

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

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

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

.110 Perform MEDAL auto-declutter (3 times)

A B C G

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

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

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

COMPLETED .2 AREA COMPRISES 85% OF WATCHSTATION.

**301 GCCS-M OPERATOR (CONT'D)**

301.3 INFREQUENT TASKS – None to be discussed.

301.4 ABNORMAL CONDITIONS

For the abnormal conditions listed below:

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

301.4.1 Degraded/loss of workstation

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

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

.2 Loss of program/degraded program

A B C D F G H

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

.3 Loss of LAN

A B C D F G H

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

.4 Loss of external communications

A B C D F G H

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

.5 Printer malfunction

A B C D F G H

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

**301 GCCS-M OPERATOR (CONT'D)**

**Questions**

301.4.6 Loss of air-conditioning

A B C D E F G H

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

.7 Loss of Universal communications processor (COMMS1)

A B C D F G H

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

COMPLETED .4 AREA COMPRISES 3% OF WATCHSTATION.

301.5 **EMERGENCIES**

For the emergencies listed below:

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

**Questions**

301.5.1 Fire

A B C D E F G H

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

.2 Loss of electrical power

A B C D E F G H

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

.3 Electric shock

A B C D E F G H

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

Completed .5 area comprises 1% of watchstation.

**301      GCCS-M OPERATOR (CONT'D)**

301.6      WATCHES

301.6.1    STAND THE FOLLOWING WATCHES UNDER INSTRUCTION:

GCCS-M Operator (3 times)

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

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

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

.2    STAND THE FOLLOWING WATCHES UNDER QUALIFIED SUPERVISION:

GCCS-M Operator (2 times)

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

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

COMPLETED .6 AREA COMPRISES 5% OF WATCHSTATION.

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

301.7.1    EXAMINATIONS      Pass a written examination

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

.2    EXAMINATIONS      Pass an oral examination board

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



302 DATABASE MANAGER

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

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

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

The trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified DATABASE MANAGER (NAVEDTRA 43555-3).

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

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

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

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

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





302 DATABASE MANAGER

Estimated completion time: 6 weeks

---

302.1 PREREQUISITES

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

302.1.1 WATCHSTATIONS FROM THIS PQS:

301 GCCS-M Operator

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

.2 FUNDAMENTALS FROM THIS PQS:

105 Over-the-Horizon-Targeting (OTH-T) (Advanced)

Completed \_\_\_\_\_ 1% of Watchstation  
(Qualifier and Date)

106 Database Management

Completed \_\_\_\_\_ 1% of Watchstation  
(Qualifier and Date)

109 Communications

Completed \_\_\_\_\_ 1% of Watchstation  
(Qualifier and Date)

110 GCCS-M Nodes

Completed \_\_\_\_\_ 1% of Watchstation  
(Qualifier and Date)

.3 SYSTEMS FROM THIS PQS:

202 GCCS-M Equipment System Configuration (Advanced)

Completed \_\_\_\_\_ 1% of Watchstation  
(Qualifier and Date)

**302 DATABASE MANAGER (CONT'D)**

302.2 TASKS

For the tasks listed below:

- A. What are the steps of this procedure?
- B. What are the reasons for each step?
- C. What control/coordination is required?
- D. What means of communications are used?
- E. Satisfactorily perform this task.

**Questions**

A B E

302.2.1 Perform search on Sea Link website (5 times)

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

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

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

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

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

.2 Perform search and delete (2 times)

A B E

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

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

.3 Reprocess track/ambiguity (2 times)

A B E

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

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

**302 DATABASE MANAGER (CONT'D)**

**Questions**

302.2.4 Merge track/ambiguity (2 times)

A B E

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

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

.5 Associate track/ambiguity (2 times)

A B E

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

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

.6 Resolve duplicate tracks (4 times)

A B E

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

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

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

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

.7 Verify System Time (4 times)

A B E

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

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

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

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

**302 DATABASE MANAGER (CONT'D)**

**Questions**

302.2.8 Resolve ambiguity (5 times)

A B E

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

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

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

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

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

.9 Set link archive as per OPTASK (4 times)

A B E

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

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

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

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

.10 Set link filters (2 times)

A B C E

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

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

**302 DATABASE MANAGER (CONT'D)**

**Questions**

302.2.11 Break link between OTH and link track (2 times)

A B E

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

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

.12 Setup and operate in MTC mode (4 times)

A B C E

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

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

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

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

.13 Review report log (2 times)

A B E

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

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

.14 Enter/edit flag threat table (2 times)

A B C E

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

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

.15 Enter/edit track alert field (2 times)

A B C E

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

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

**302 DATABASE MANAGER (CONT'D)**

**Questions**

A B C E

302.2.16 Enter/edit XREF table (6 times)

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

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

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

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

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

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

.17 Perform MTST function (2 times)

A B E

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

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

.18 Perform target search (2 times)

A B E

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

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

.19 Perform area search (2 times)

A B E

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

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

**302 DATABASE MANAGER (CONT'D)**

**Questions**

302.2.20 Set input message filters (3 times)

A B E

---

(Signature and Date)

---

(Signature and Date)

---

(Signature and Date)

.21 Set input GEO filters (5 times)

A B E

---

(Signature and Date)

---

(Signature and Date)

---

(Signature and Date)

---

(Signature and Date)

---

(Signature and Date)

.22 Setup and operate IRC Zircon/ MICROSOFT chat IAW local OPTASK (4 times)

A B C D E

---

(Signature and Date)

---

(Signature and Date)

---

(Signature and Date)

---

(Signature and Date)

**302 DATABASE MANAGER (CONT'D)**

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

302.2. .23 Setup NETWORK channel (4 times)

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

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

.34 Verify IP assignment in NETWORK HOST TABLE (4 times)

**A B C D E**

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

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

.24 Operate the NETWORK (4 times)

**A B C D E F**

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

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

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

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

.25 Setup CSTTCP channel (5 times)

**A B C D E F**

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

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

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

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

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



**302 DATABASE MANAGER (CONT'D)**

**Questions**

302.2.26 Configure for Nonparticipant mode (2 times)

A B E

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

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

.27 Join a Maritime environment as a participant in PT Mode (4 times)

A B C D E

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

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

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

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

.28 Transmit track data (5 times)

A B E

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

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

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

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

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

**302 DATABASE MANAGER (CONT'D)**

**Questions**

A B C D E

302.2.29 Configure/operate in UID correlation mode (6 times)

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

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

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

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

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

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

.30 Edit/delete track in COP environment as per the local AOR OPTASK (4 times)

A B C D E

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

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

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

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

.31 Archive and restore track database (2 times)

A B E

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

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

**302 DATABASE MANAGER (CONT'D)**

**Questions**

302.2.32 Verify system status (2 times)

A B E

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

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

.33 View raw message data (4 times)

A B E

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

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

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

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

.34 View GFCP status (2 times)

A B E

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

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

.35 Add IP assignment in NET HOST TABLE (4 times)

A B C D E

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

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

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

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

**302 DATABASE MANAGER (CONT'D)**

**Questions**

302.2.36 Add IP assignment in NET HOST TABLE (4 Times)

A B E

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

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

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

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

.37 Verify connectivity with various host sights utilizing NET PING (2 times)

A B E

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

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

.38 Verify communications status (3 times)

A B E

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

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

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

.39 Create, save, and transmit a USMTF message (2 times)

A B C D E

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

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

**302 DATABASE MANAGER (CONT'D)**

**Questions**

A B C E

302.2.40 Retrieve, display, and print an image (2 times)

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

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

.41 Select and resolve an ELINT ambiguity (2 times)

A B E

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

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

.42 Select and view HULTEC platform data (2 times)

A B E

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

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

.43 Select and view HULTEC emitter data (2 times)

A B E

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

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

.44 Access a HULTEC TRACK (2 times)

A B E

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

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

**302 DATABASE MANAGER (CONT'D)**

**Questions**

302.2.45 Access and view selected ELINT history (2 times)

A B E

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

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

.46 Compare two ELINT tracks (2 times)

A B E

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

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

.47 Merge two ELINT tracks (2 times)

A B E

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

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

.48 Associate an ELINT track with a platform track (2 times)

A B E

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

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

.49 Input an ELINT GEO filter (2 times)

A B C E

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

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

**302 DATABASE MANAGER (CONT'D)**

**Questions**

302.2.50 Perform database search utilizing ELINT track type (2 times)

A B E

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

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

.51 Enter, select, view, edit, and delete an ELINT track (2 times)

A B E

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

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

.52 Select and view ELINT track history (2 times)

A B E

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

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

.53 Access/display satellite information (2 times)

A B E

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

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

.54 Plot satellite data (2 times)

A B E

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

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

**302 DATABASE MANAGER (CONT'D)**

**Questions**

- .55 Calculate Satellite Summary windows (2 times) A B E
- \_\_\_\_\_
- (Signature and Date)
- \_\_\_\_\_
- (Signature and Date)
- .56 Select and edit ELINT configuration table (2 times) A B E
- \_\_\_\_\_
- (Signature and Date)
- \_\_\_\_\_
- (Signature and Date)
- .57 Select and edit ELNOT synonym table (2 times) A B E
- \_\_\_\_\_
- (Signature and Date)
- \_\_\_\_\_
- (Signature and Date)
- .58 Select and edit the AGN table (2 times) A B E
- \_\_\_\_\_
- (Signature and Date)
- \_\_\_\_\_
- (Signature and Date)
- .59 Select and resolve an ELINT ambiguity (2 times) A B E
- \_\_\_\_\_
- (Signature and Date)
- \_\_\_\_\_
- (Signature and Date)



## 302 DATABASE MANAGER (CONT'D)

### Questions

A B C E

- .60 Input an ELINT GEO filter (2 times)

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

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

- .61 Modify special plot controls to display ELNOT (2 times)

A B E

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

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

- .62 Add, edit, and delete HULTEC platform data (2 times)

A B E

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

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

- .63 Select and edit the flag threat table (2 times)

A B E

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

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

COMPLETED .2 AREA COMPRISES 70% OF WATCHSTATION.

### 302.3 INFREQUENT TASKS

For the infrequent tasks listed below:

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

**302 DATABASE MANAGER (CONT'D)**

**Questions**

302.3.1 Perform unplanned Coordinator Ship CT mode shift

A B C D E F

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

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

.2 Initiate COMSPOT (2 times)

A B C D E F

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

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

.3 Receive/interpret COMSPOT (3 times)

A B D E F

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

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

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

.4 Enter/edit auto forward tables (3 times)

A B E F

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

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

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

**302 DATABASE MANAGER (CONT'D)**

**Questions**

302.3.5 Add/edit new channel (3 times)

A B E F

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

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

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

COMPLETED .3 AREA COMPRISES 5% OF WATCHSTATION.

302.4 **ABNORMAL CONDITIONS**

For the abnormal conditions listed below:

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

**Questions**

302.4.1 Loss of communications

A B C D E F G H

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

.2 Loss of power

A B C D E F G H

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

.3 Loss of GFCP

A B C D E F G H

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

**302 DATABASE MANAGER (CONT'D)**

**Questions**

302.4.4 Degraded or lost workstation **A B C D E F G H**

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

.5 Loss of TDBM **A B C D E F G H**

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

.6 GFCP failure **A B C D E F G H**

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

.7 Loss of air-conditioning **A B D E F G H**

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

COMPLETED .4 AREA COMPRISES 10% OF WATCHSTATION.

**302.5 EMERGENCIES**

For the emergencies listed below:

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

**Questions**

302.5.1 Fire **A B C D E F G H**

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

**302 DATABASE MANAGER (CONT'D)**

**Questions**

302.5.2 Flooding A B C D E F G H

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

.3 Electrical shock A B C D E F G H

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

.4 Loss of power A B C D E F G H

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

.5 Natural disaster A B C D E F G H

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

.6 Intruder A B C D E F G H

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

COMPLETED .5 AREA COMPRISES 5% OF WATCHSTATION.

302.6 WATCHES

302.6.1 STAND THE FOLLOWING WATCHES UNDER INSTRUCTION:

Database Manager (3 times)

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

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

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

**302 DATABASE MANAGER (CONT'D)**

302.6.2 STAND THE FOLLOWING WATCHES UNDER QUALIFIED SUPERVISION:

Database Manager (2 times)

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

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

COMPLETED .6 AREA COMPRISES 5% OF WATCHSTATION.

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

302.7.1 EXAMINATIONS Pass a written examination

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

.2 EXAMINATIONS Pass an oral examination board

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

FINAL QUALIFICATION

NAVEDTRA 43555-3

303 COORDINATOR (CT)

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

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

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

The trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified COORDINATOR (CT) (NAVEDTRA 43555-3).

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

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

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

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

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





303 COORDINATOR (CT)

Estimated completion time: 6 weeks

---

303.1 PREREQUISITES

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

303.1.1 WATCHSTATIONS FROM THIS PQS:

301 GCCS-M Operator

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

302 Database Manager

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

.2 FUNDAMENTALS FROM THIS PQS:

107 Common Tactical Picture Management

Completed \_\_\_\_\_ 1% of Watchstation  
(Qualifier and Date)

111 Joint Operations

Completed \_\_\_\_\_ 1% of Watchstation  
(Qualifier and Date)

**303 COORDINATOR (CT)-(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 communications are used?
- E. What parameters/operating limits must be monitored?
- F. Satisfactorily perform this task.

303.2.1 Copy a track (4 times)

**Questions**  
A B F

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

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

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

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

.2 Access, view, and print summary of track database (2 times)

A B F

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

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

.3 Enter link DLRP (2 times)

A B C F

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

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

**303 COORDINATOR (CT)-(CONT'D)**

**Questions**

303.2.4 Perform track search on Sea Link website (4 times)

A B C F

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

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

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

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

.5 Perform search and delete (2 times)

A B C F

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

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

.6 Reprocess track/ambiguity (2 times)

A B C F

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

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

.7 Merge track/ambiguity (2 times)

A B C F

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

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

.8 Perform MTST function (2 times)

A B F

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

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

**303 COORDINATOR (CT)-(CONT'D)**

**Questions**

303.2.9 Set input/output message filters (2 times)

A B C D E F

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

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

.10 Set input/output GEO filters (5 times)

A B C D E F

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

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

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

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

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

.11 Setup/edit FOTC parameters (6 times)

A B E F

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

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

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

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

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

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

**303 COORDINATOR (CT)-(CONT'D)**

**Questions**

303.2.12 Setup Participant (PT) broadcast/filters (4 times)

A B D F

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

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

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

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

.13 Receive and process FOTC SITREP (4 times)

A B C D F

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

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

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

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

.14 Setup FOTC broadcast/filters (4 times)

A B C D E F

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

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

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

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

**303 COORDINATOR (CT)-(CONT'D)**

**Questions**  
A B C D E F

303.2.15 Configure/assume Coordinator (CT) mode (5 times)

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

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

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

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

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

.16 Conduct a Data Dump (5 times)

A B C D F

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

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

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

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

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

**303 COORDINATOR (CT)-(CONT'D)**

**Questions**

A B C D F

303.2.17 Generate/transmit FOTC SITREP (5 times)

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

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

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

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

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

.18 Perform Maritime Shift between CT and PT modes (5 times)

A B C D E F

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

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

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

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

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

.19 Configure for FOTC/UID mixed mode (2 times)

A B C E F

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

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

**303 COORDINATOR (CT)-(CONT'D)**

**Questions**  
A B C D E F

303.2.20 Operate in FOTC/UID mixed mode (2 times)

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

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

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

.21 Conduct a Data Dump in FOTC/UID mixed mode (5 times)

A B C D F

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

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

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

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

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

.22 Generate/transmit FOTC SITREP in FOTC/UID mixed mode (4 times)

A B C D F

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

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

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

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



**303 COORDINATOR (CT)-(CONT'D)**

**Questions**

303.2.23 Archive/restore track database (2 times)

A B F

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

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

.24 Update toggles (5 times)

A B F

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

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

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

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

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

.25 Update output filters (5 times)

A B C D E F

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

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

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

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

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

**303 COORDINATOR (CT)-(CONT'D)**

**Questions**

303.2.26 Setup auto forward table (2 times)

A B D E F

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

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

.27 Display and monitor GFCP window (2 times)

A B F

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

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

.28 Operate in a COP environment (4 times)

A B C D E F

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

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

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

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

.29 Display COP topology (4 times)

A B C D E F

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

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

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

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

**303 COORDINATOR (CT)-(CONT'D)**

303.2.30 Display COP Node List (4 times)

**Questions**  
A B C D E F

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

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

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

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

COMPLETED .2 AREA COMPRISES 84% OF WATCHSTATION.

303.3 **INFREQUENT TASKS**

For the infrequent tasks listed below:

- A. What are the steps of this procedure?
- B. What are the reasons for each step?
- C. What control/coordination is required?
- D. What means of communications are used?
- E. What conditions require this infrequent task?
- F. Satisfactorily perform or simulate this infrequent task.
- G. What references are used?

303.3.1 Perform unplanned Coordinator (CT) mode shift

**Questions**  
A B C D E F

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

.2 Assume duties as TOP COP

A B C E F

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

**303 COORDINATOR (CT)-(CONT'D)**

		<u>Questions</u>
303.3.3	Reinitialize and verify GFCP <hr/> <p>(Signature and Date)</p>	A B C E F
.4	Initiate a COMSPOT <hr/> <p>(Signature and Date)</p>	A B C E F
.5	Review/ Navy wide OPTASK COP/CTP <hr/> <p>(Signature and Date)</p>	D E F
.6	Review Fleet Commander's OPTASK COP/CTP (3 times) <hr/> <p>(Signature and Date)</p> <hr/> <p>(Signature and Date)</p> <hr/> <p>(Signature and Date)</p>	A B F
.7	Review Strike Group OPTASK COP/CTP Supp (3 times) <hr/> <p>(Signature and Date)</p> <hr/> <p>(Signature and Date)</p> <hr/> <p>(Signature and Date)</p>	A B C E F

**303 COORDINATOR (CT)-(CONT'D)**

303.3.8 Review a Weekly Intentions Message (WIMS) (3 Times) **Questions**  
A B C E F

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

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

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

.9 Review a Daily Intentions Message (DIMS) (3 Times) A B C E F

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

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

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

.9 Draw and explain the Strike Group COP Architecture and Reporting Hierarchy (3 times) A B C E F

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

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

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

COMPLETED .3 AREA COMPRISES 4% OF WATCHSTATION.

**303 COORDINATOR (CT)-(CONT'D)**

303.4 ABNORMAL CONDITIONS

For the abnormal conditions listed below:

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

		<u>Questions</u>
303.4.1	Degradation/loss of broadcast	A B C D E F G H
	_____	
	(Signature and Date)	
.2	Degradation/loss of system inputs	A B C D E F G H
	_____	
	(Signature and Date)	
.3	Loss of SIPRNET	A B C D E F G H
	_____	
	(Signature and Date)	

COMPLETED .4 AREA COMPRISES 3% OF WATCHSTATION.

**303 COORDINATOR (CT)-(CONT'D)**

**303.5 EMERGENCIES**

For the emergencies listed below:

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

		<u>Questions</u>
303.5.1	Equipment fire	A B C D E F G H
<hr/>		
(Signature and Date)		
.2	Electrical shock	A B C D E F G H
<hr/>		
(Signature and Date)		
.3	Flooding	A B C D E F G H
<hr/>		
(Signature and Date)		

COMPLETED .5 AREA COMPRISES 3% OF WATCHSTATION.

**303 COORDINATOR (CT)-(CONT'D)**

303.6 WATCHES

303.6.1 STAND THE FOLLOWING WATCHES UNDER INSTRUCTION:

Coordinator (CT) (4 times)

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

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

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

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

.2 STAND THE FOLLOWING WATCHES UNDER QUALIFIED SUPERVISION:

Coordinator (CT) (4 times)

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

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

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

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

COMPLETED .6 AREA COMPRISES 4% OF WATCHSTATION.



**303 COORDINATOR (CT)-(CONT'D)**

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

303.7.1 EXAMINATIONS Pass a written examination

---

(Signature and Date)

.2 EXAMINATIONS Pass an oral examination board

---

(Signature and Date)



304 INTELLIGENCE PRODUCER

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

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

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

The trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified INTELLIGENCE PRODUCER (NAVEDTRA 43555-3).

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

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

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

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

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



304 INTELLIGENCE PRODUCER WATCH

Estimated completion time: 4 weeks

---

304.1 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.**

304.1.1 WATCHSTATIONS FROM THIS PQS:

301 GCCS-M Operator

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

302 Database Manager

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

.2 FUNDAMENTALS FROM THIS PQS:

107 Common Tactical Picture Management

Completed \_\_\_\_\_ 5% of Watchstation  
(Qualifier and Date)

**304 INTELLIGENCE PRODUCER WATCH (CONT'D)**

304.2 INTELLIGENCE DATABASE TASKS

For the tasks listed below:

- A. Define National, Tactical, and Local views of data
- B. Describe the content of the intelligence specific databases to include production sources, accuracy and timeliness
- C. What are the reasons for each step?
- D. What means of communications are used?
- E. Satisfactorily perform this task.

304.2.1 Perform a MIDB Query (2 times) Questions  
A B C D E

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

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

.2 Plot MIDB query to chart (2 times) A B C D E

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

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

.3 Create overlay from MIDB query (2 times)

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

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

.4 Save a data sheet populated with MIDB queries (2 times)

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

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

**304 INTELLIGENCE PRODUCER WATCH (CONT'D)**

**Questions**

304.2.5 Share saved datasheets (2 times)

A B C D E

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

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

.6 Create a new MIDB record (2 times)

A B C D E

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

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

.7 Modify a record a MIDB record (2 times)

A B C D E

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

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

.8 Commit changes to MIDB record (2 times)

A B C D E

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

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

.9 Verify MIDB record was updated (2 times)

A B C D E

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

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

COMPLETED .2 AREA COMPRISES 10% OF WATCHSTATION.

**304 INTELLIGENCE PRODUCER WATCH (CONT'D)**

**304.3 IMAGERY TASKS**

For the tasks listed below:

- A. Define National, Tactical, and Local views of data
- B. Describe the content of the intelligence specific databases to include production sources, accuracy and timeliness
- C. What are the reasons for each step?
- D. What means of communications are used?
- E. Satisfactorily perform this task.

304.3.1 Save image from PC workstation to ITS (2 times)

**Questions**  
A B C D E

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

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

.2 Pull image from ITS to a PC workstation (2 times)

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

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

.3 Drag and drop an image to ITS on a PC workstation (2 times)

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

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



**304 INTELLIGENCE PRODUCER WATCH (CONT'D)**

**Questions**

304.3.4 Retrieve a JPEG image to a PC workstation (2 times)

A B C D E

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

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

.5 Convert NITF to JPEG (2 times)

A B C D E

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

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

.6 Use JIVE to annotate (Mil2525) and crop image (2 times)

A B C D E

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

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

.7 Use JIVE to annotate (NTDS) and crop image (2 times)

A B C D E

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

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

.8 Use JIVE to load, play, record and save an MPEG video to ITS (2 times)

A B C D E

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

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

**304 INTELLIGENCE PRODUCER WATCH (CONT'D)**

- |         |   | <u>Questions</u> |
|---------|---|------------------|
| 304.3.9 | Use JIVE to conduct basic mensuration of a JPEG image (2 times) | A B C D E        |
|         | _____   |                  |
|         | (Signature and Date)  |                  |
|         | _____   |                  |
|         | (Signature and Date)  |                  |
| .10     | Use JIVE to conduct basic mensuration of a NITF image (2 times) | A B C D E        |
|         | _____   |                  |
|         | (Signature and Date)  |                  |
|         | _____   |                  |
|         | (Signature and Date)  |                  |
| .11     | Use JIVE to display live video feed (2 times)                   | A B C D E        |
|         | _____   |                  |
|         | (Signature and Date)  |                  |
|         | _____   |                  |
|         | (Signature and Date)  |                  |
| .12     | Observe reboot of ISDS (2 times)                                |                  |
|         | _____   |                  |
|         | (Signature and Date)  |                  |
|         | _____   |                  |
|         | (Signature and Date)  |                  |
| .13     | Manually restart ITS using ITS Admin on a PC workstation        | A B C D E        |
|         | _____   |                  |
|         | (Signature and Date)  |                  |
|         | _____   |                  |
|         | (Signature and Date)  |                  |

**304 INTELLIGENCE PRODUCER WATCH (CONT'D)**

**Questions**

304.3.14 Export Image from ITS to temp directory on PC workstation (2 times)

A B C D E

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

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

.15 Delete files from ITS server (2 times)

A B C D E

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

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

.16 Configure Automated Image Import Module (AIIM) to import images from IPL (2 times)

A B C D E

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

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

.17 Configure Automated Image Import Module (AIIM) import images from PTW server (2 times)

A B C D E

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

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

.18 Set UDIE import source to ITS (2 times)

A B C D E

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

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

**304 INTELLIGENCE PRODUCER WATCH (CONT'D)**

**Questions**

304.3.19 Edit image BE Number in ITS to associate with a MIDB record

A B C D E

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

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

.20 Use JIVE to tile image to chart (2 times)

A B C D E

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

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

.21 Use JIVE to remove image from chart (2 times)

A B C D E

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

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

.22 Print imagery from ITS using the Image Print Services (IPS) (2 times)

A B C D E

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

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

.23 Use JIVE to display image (2 times)

A B C D E

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

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

**304 INTELLIGENCE PRODUCER WATCH (CONT'D)**

**Questions**

304.3.24 Use Quick Query (Q2) to search and retrieve imagery from IPL (2 times)

A B C D E

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

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

COMPLETED .3 AREA COMPRISES 50% OF WATCHSTATION.

304.4 **ELINT TASKS**

For the tasks listed below:

- A. Define National, Tactical, and Local views of data
- B. Describe the content of the intelligence specific databases to include production sources, accuracy and timeliness
- C. What are the reasons for each step?
- D. What means of communications are used?
- E. Satisfactorily perform this task.

**Questions**

304.4.1 Display ELINT data in GALE Lite (2 times)

A B C D E

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

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

.2 Export GALE tracks to GCCS-M (2 times)

A B C D E

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

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

**304 INTELLIGENCE PRODUCER WATCH (CONT'D)**

304.4.3 Archive overlays at GCCS-M workstation (2 times)

Questions  
A B C D E

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

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

COMPLETED .4 AREA COMPRISES 10% OF WATCHSTATION.

304.5 ELINT TASKS (WORKSHOP)

For the tasks listed below:

- A. Define National, Tactical, and Local views of data
- B. Describe the content of the intelligence specific databases to include production sources, accuracy and timeliness
- C. What are the reasons for each step?
- D. What means of communications are used?
- E. Satisfactorily perform this task.

305.5.1 Search and retrieve image from ITS using BE# (2 times)

Questions  
A B C D E

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

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

.2 Convert AWS query to Spreadsheet (2 times)

A B C D E

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

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

**304 INTELLIGENCE PRODUCER WATCH (CONT'D)**

		<u>Questions</u> A B C D E
305.5.3	Modify datasheet to remove columns (2 times)	
	_____	
	(Signature and Date)	
	_____	
	(Signature and Date)	
.4	Search within a query result using re-query for associations functions (2 times)	A B C D E
	_____	
	(Signature and Date)	
	_____	
	(Signature and Date)	
.5	Facility (2 times)	A B C D E
	_____	
	(Signature and Date)	
	_____	
	(Signature and Date)	
.6	Equipment (2 times)	A B C D E
	_____	
	(Signature and Date)	
	_____	
	(Signature and Date)	
.7	Unit (2 times)	A B C D E
	_____	
	(Signature and Date)	
	_____	
	(Signature and Date)	

**304 INTELLIGENCE PRODUCER WATCH (CONT'D)**

		<u>Questions</u>
		A B C D E
305.5.8	Operational status (2 times)	
	_____	
	(Signature and Date)	
	_____	
	(Signature and Date)	
.9	Target (2 times)	A B C D E
	_____	
	(Signature and Date)	
	_____	
	(Signature and Date)	
.10	DMPI.(2 times)	A B C D E
	_____	
	(Signature and Date)	
	_____	
	(Signature and Date)	
.11	Imagery (2 times)	A B C D E
	_____	
	(Signature and Date)	
	_____	
	(Signature and Date)	
.12	Export query results to MS PowerPoint (2 times)	A B C D E
	_____	
	(Signature and Date)	
	_____	
	(Signature and Date)	



**304 INTELLIGENCE PRODUCER WATCH (CONT'D)**

304.5.13 Export query results to Excel (2 times)

**Questions**

A B C D E

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

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

.14 Export query to Chart

A B C D E

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

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

COMPLETED .5 AREA COMPRISES 10% OF WATCHSTATION.

304.6 **OTHER TASKS**

For the tasks listed below:

- A Define National, Tactical, and Local views of data
- B. Describe the content of the intelligence specific databases to include production sources, accuracy and timeliness
- C. What are the reasons for each step?
- D. What means of communications are used?
- E. Satisfactorily perform this task.

304.6.1 Query OOB (2 times)

**Questions**

A B C D E

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

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

**304 INTELLIGENCE PRODUCER WATCH (CONT'D)**

**Questions**

304.6.2 Use web browser from ISNS/COMPOSE PC to connect to AWS Web (2 times)

A B C D E

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

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

.3 Retrieve image from ITS Web (2 times)

A B C D E

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

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

.4 Use web browser from ISNS/COMPOSE PC to connect to ITS Web (2 times)

A B C D E

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

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

.5 Select an ELINT track from the COP and identify which feed provided the track data (2 times)

A B C D E

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

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

**304 INTELLIGENCE PRODUCER WATCH (CONT'D)**

**Questions**

306.6.6 Fuse an AIS track with Gale track (2 times)

A B C D E

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

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

.7 Select a track produced from AIS identify whether track is generated from local AIS or national AIS (2 times)

A B C D E

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

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

.8 Plot Desired Mean Point of Impact (DMPIs) (2 times)

A B C D E

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

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

.9 Configure launch alerts (2 times)

A B C D E

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

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

COMPLETED .6 AREA COMPRISES 10% OF WATCHSTATION.

304.7 WATCHES

304.7.1 STAND THE FOLLOWING WATCHES UNDER INSTRUCTION:

Intelligence Producer (3 times)

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

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

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

.2 STAND THE FOLLOWING WATCHES UNDER QUALIFIED SUPERVISION:

Intelligence Producer (2 times)

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

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

COMPLETED .7 AREA COMPRISES 5% OF WATCHSTATION.

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

304.8.1 EXAMINATIONS Pass a written examination

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

.2 EXAMINATIONS Pass an oral examination board

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

305 COMMON TACTICAL PICTURE MANAGER (CTPM)

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

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

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

The trainee has completed all PQS requirements for this watchstation. Recommend designation as a qualified COMMON TACTICAL PICTURE MANAGER (CTPM) (NAVEDTRA 43555-3).

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

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

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

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

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



## WATCHSTATION 305

### 305 COMMON TACTICAL PICTURE MANAGER (CTPM)

Estimated completion time: 6 weeks

---

#### 305.1 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.**

##### 305.1.1 WATCHSTATIONS FROM THIS PQS:

301 GCCS-M Operator

Completed \_\_\_\_\_ 1% of Watchstation  
(Qualifier and Date)

302 Database Manager

Completed \_\_\_\_\_ 1% of Watchstation  
(Qualifier and Date)

##### .2 FUNDAMENTALS FROM THIS PQS:

107 Common Tactical Picture Management

Completed \_\_\_\_\_ 1% of Watchstation  
(Qualifier and Date)

##### .2 FUNDAMENTALS FROM THIS PQS

111 Joint Operations

Completed \_\_\_\_\_ 1% of Watchstation  
(Qualifier and Date)

**305 COMMON TACTICAL PICTURE MANAGER (CTPM) (CONT'D)**

305.2 TASKS

For the tasks listed below:

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

305.2.1 Copy a track (2 times)

Questions  
A B F

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

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

.2 Access, view, and print summary of track database (2 times)

A B F

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

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

.3 Enter link DLRP (2 times)

A B C F

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

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

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



**305 COMMON TACTICAL PICTURE MANAGER (CTPM) (CONT'D)**

**Questions**

305.2.4 Perform search-to-replace (2 times) **A B C F**

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

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

.5 Perform search and delete (2 times) **A B C F**

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

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

.6 Reprocess track/ambiguity (2 times) **A B C F**

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

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

.7 Merge track/ambiguity (2 times) **A B C F**

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

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

.8 Perform MTST function (2 times) **A B F**

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

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

**305 COMMON TACTICAL PICTURE MANAGER (CTPM) (CONT'D)**

**Questions**

305.2.9 Set input/output message filters (2 times)

A B C D E F

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

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

.10 Set input/output GEO filters (2 times)

A B C D E F

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

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

.11 Setup/edit FOTC parameters (2 times)

A B E F

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

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

.12 Setup Participant (PT) broadcast/filters (2 times)

A B D F

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

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

.13 Receive and process FOTC SITREP (2 times)

A B C D F

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

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

**303 COMMON TACTICAL PICTURE MANAGER (CTPM) (CONT'D)**

**Questions**

303.2.14 Setup FOTC broadcast/filters (2 times)

A B C D E F

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

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

.15 Configure/assume Coordinator (CT) mode (2 times)

A B C D E F

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

\_\_\_\_\_  
(Signature and Date)

.16 Conduct a Data Dump (2 times)

A B C D F

\_\_\_\_\_  
(Signature and Date)

\_\_\_\_\_  
(Signature and Date)

.17 Generate/transmit FOTC SITREP (2 times)

A B C D F

\_\_\_\_\_  
(Signature and Date)

\_\_\_\_\_  
(Signature and Date)

.18 Perform Maritime Shift between CT and PT modes (2 times)

A B C D E F

\_\_\_\_\_  
(Signature and Date)

\_\_\_\_\_  
(Signature and Date)

**305 COMMON TACTICAL PICTURE MANAGER (CTPM) (CONT'D)**

**Questions**

305.2.19 Configure for FOTC/UID mixed mode (2 times)

A B C E F

\_\_\_\_\_  
(Signature and Date)

\_\_\_\_\_  
(Signature and Date)

.20 Operate in FOTC/UID mixed mode (2 times)

A B C D E F

\_\_\_\_\_  
(Signature and Date)

\_\_\_\_\_  
(Signature and Date)

.21 Conduct a Data Dump in FOTC/UID mixed mode (2 times)

A B C D F

\_\_\_\_\_  
(Signature and Date)

\_\_\_\_\_  
(Signature and Date)

.22 Generate/transmit FOTC SITREP in FOTC/UID mixed mode (2 times)

A B C D F

\_\_\_\_\_  
(Signature and Date)

\_\_\_\_\_  
(Signature and Date)

.23 Archive/restore track database (2 times)

A B F

\_\_\_\_\_  
(Signature and Date)

\_\_\_\_\_  
(Signature and Date)

**305 COMMON TACTICAL PICTURE MANAGER (CTPM) (CONT'D)**

305.2.24 Update toggles (2 times) A B F

---

(Signature and Date)

---

(Signature and Date)

.25 Update output filters (2 times) A B C D E F

---

(Signature and Date)

---

(Signature and Date)

.26 Setup auto forward table (2 times) A B D E F

---

(Signature and Date)

---

(Signature and Date)

.27 Display and monitor GFCP window (2 times) A B F

---

(Signature and Date)

---

(Signature and Date)

.28 Operate in a COP environment (2 times) A B C D E F

---

(Signature and Date)

---

(Signature and Date)

**305 COMMON TACTICAL PICTURE MANAGER (CTPM) (CONT'D)**

Questions  
A B C D E F

305.2.29 Display COP topology (2 times)

\_\_\_\_\_  
(Signature and Date)

\_\_\_\_\_  
(Signature and Date)

.30 Display COP Node List (2 times)

A B C D E F

\_\_\_\_\_  
(Signature and Date)

\_\_\_\_\_  
(Signature and Date)

.31 Transmit/receive HIT broadcast (2 times)

A B C D E F

\_\_\_\_\_  
(Signature and Date)

\_\_\_\_\_  
(Signature and Date)

COMPLETED .2 AREA COMPRISES 82% OF WATCHSTATION.

305.3 INFREQUENT TASKS

For the infrequent tasks listed below:

- A. What are the steps of this procedure?
- B. What are the reasons for each step?
- C. What control/coordination is required?
- D. What means of communications are used?
- E. What conditions require this infrequent task?
- F. Satisfactorily perform or simulate this infrequent task.
- G. What references are used?

**305 COMMON TACTICAL PICTURE MANAGER (CTPM) (CONT'D)**

		<u>Questions</u>
305.3.1	Perform unplanned Coordinator (CT) mode shift	A B C D E F
	_____ (Signature and Date)	
.2	Assume duties as TOP COP	A B C E F
	_____ (Signature and Date)	
.3	Reinitialize and verify GFCP	A B C E F
	_____ (Signature and Date)	
.4	Initiate a COMSPOT	A B C E F
	_____ (Signature and Date)	
.5	Review Theater Commander OPTASK COP/CTP (2 times)	A B F
	_____ (Signature and Date)	
	_____ (Signature and Date)	
.6	Draw and explain the local Theater Commander COP Architecture and Reporting Hierarchy (2 times)	C D E F
	_____ (Signature and Date)	
	_____ (Signature and Date)	
.7	Review Navy Wide OPTASK COP/CTP (2 times)	D E F
	_____ (Signature and Date)	
	_____ (Signature and Date)	

**305 COMMON TACTICAL PICTURE MANAGER (CTPM) (CONT'D)**

		<u>Questions</u>
305.3.9	Review Fleet Commander's OPTASK COP/CTP (2 times)	AB F
	_____	
	(Signature and Date)	
	_____	
	(Signature and Date)	
.10	Draft a Strike Group OPTASK COP/CTP Supp	A B C E F
	_____	
	(Signature and Date)	
.11	Draw and explain the local Strike Group COP Architecture and Reporting Hierarchy (2 times)	CDE
	_____	
	(Signature and Date)	
	_____	
	(Signature and Date)	
.12	Draft a Weekly Intentions Message (WIMS) (2 times)	A B C E F
	_____	
	(Signature and Date)	
	_____	
	(Signature and Date)	
.13	Draft a Daily Intentions Message (DIMS) (2 times)	A B C E F
	_____	
	(Signature and Date)	
	_____	
	(Signature and Date)	



**305 COMMON TACTICAL PICTURE MANAGER (CTPM) (CONT'D)**

305.3.14 Draw and explain the local Fleet Commander COP Architecture and Reporting Hierarchy (3 times)

A B C E F

\_\_\_\_\_  
(Signature and Date)

\_\_\_\_\_  
(Signature and Date)

\_\_\_\_\_  
(Signature and Date)

COMPLETED .3 AREA COMPRISES 4% OF WATCHSTATION.

305.4 ABNORMAL CONDITIONS

For the abnormal conditions listed below:

- A. What indications and alarms are received?
- B. What immediate action is required?
- C. What are the probable causes?
- D. What operating limitations are imposed?
- E. What emergencies or malfunctions may occur if immediate action is not taken?
- F. How does this condition affect other operations/equipment/watchstations?
- G. What follow-up action is required?
- H. Satisfactorily perform or simulate the corrective/immediate action for this abnormal condition.

305.4.1 Degradation/loss of broadcast

Questions  
A B C D E F G H

\_\_\_\_\_  
(Signature and Date)

.2 Degradation/loss of system inputs

A B C D E F G H

\_\_\_\_\_  
(Signature and Date)

.3 Loss of SIPRNET

A B C D E F G H

\_\_\_\_\_  
(Signature and Date)

COMPLETED .4 AREA COMPRISES 3% OF WATCHSTATION.

**305 COMMON TACTICAL PICTURE MANAGER (CTPM) (CONT'D)**

**305.5 EMERGENCIES**

For the emergencies listed below:

- A. What indications and alarms are received?
- B. What immediate action is required?
- C. What are the probable causes?
- D. What operating limitations are imposed?
- E. What other emergencies or malfunctions may occur if immediate action is not taken?
- F. How does this emergency affect other operations/equipment/watchstations?
- G. What follow-up action is required?
- H. Satisfactorily perform or simulate the immediate action for this emergency.

305.5.1 Equipment fire Questions  
A B C D E F G H

\_\_\_\_\_  
(Signature and Date)

.2 Electrical shock A B C D E F G H

\_\_\_\_\_  
(Signature and Date)

.3 Flooding A B C D E F G H

\_\_\_\_\_  
(Signature and Date)

COMPLETED .5 AREA COMPRISES 3% OF WATCHSTATION.

**305 COMMON TACTICAL PICTURE MANAGER (CTPM) (CONT'D)**

305.6 WATCHES

305.6.1 STAND THE FOLLOWING WATCHES UNDER INSTRUCTION:

Coordinator (CT) (4 times)

\_\_\_\_\_  
(Signature and Date)

\_\_\_\_\_  
(Signature and Date)

\_\_\_\_\_  
(Signature and Date)

\_\_\_\_\_  
(Signature and Date)

.2 STAND THE FOLLOWING WATCHES UNDER QUALIFIED SUPERVISION:

Coordinator (CT) (3 times)

\_\_\_\_\_  
(Signature and Date)

\_\_\_\_\_  
(Signature and Date)

\_\_\_\_\_  
(Signature and Date)

COMPLETED .6 AREA COMPRISES 4% OF WATCHSTATION.

305.7 EXAMINATIONS (OPTIONAL EXCEPT AS REQUIRED BY TYCOM/ISIC, ETC.)

305.7.1 EXAMINATIONS Pass a written examination

\_\_\_\_\_  
(Signature and Date)

.2 EXAMINATIONS Pass an oral examination board

\_\_\_\_\_  
(Signature and Date)



**QUALIFICATION PROGRESS SUMMARY FOR  
GLOBAL COMMAND AND CONTROL SYSTEM-MARITIME (GCCS-M)**

NAME \_\_\_\_\_ RATE/RANK \_\_\_\_\_

This qualification progress summary is used to track the progress of a trainee in the watchstations for this PQS and ensure awareness of remaining tasks. It should be kept by the individual or in the individual's training jacket and updated with an appropriate signature (Training Petty Officer, Division Officer, Senior Watch Officer, etc.) as watchstations are completed.

---

301 GCCS-M OPERATOR

Completed \_\_\_\_\_ Date \_\_\_\_\_  
(Signature)

---

302 DATABASE MANAGER

Completed \_\_\_\_\_ Date \_\_\_\_\_  
(Signature)

---

303 COORDINATOR (CT)

Completed \_\_\_\_\_ Date \_\_\_\_\_  
(Signature)

---

304 INTELLIGENCE PRODUCER

Completed \_\_\_\_\_ Date \_\_\_\_\_  
(Signature)

---



## LIST OF REFERENCES USED IN THIS PQS

CMS21A, CMS Policy and Procedures for Navy Electronic Key Management System Tiers 2&3  
Combat Direction Center (CDC)/Combat Information Center (CIC) Doctrines  
Combat System Operational Sequencing System (CSOSS) Manual  
Computer Software User's Manual (SUM) for the Generic Front-End Communications Processor (GFCP)  
COMSPAWAR EE-685-AA-MMC-920/USQ-119A(V), Technical Manual Force Level System Maintenance Manual  
Doctrine for Command, Control, Communications, and Computer (C4) System Support to Joint Operations, Joint Publication 6-0  
Documentation Management Infrastructure (DMI)  
EE130-BG-OMI-010/ANUSQ-64(V)7, 8, Operations and Maintenance Instructions for Communications System, Control Central, AN/USQ-64(V)7, 8  
Local Ship's Organization and Regulation Manual (SORM)/Local Standard Operating Procedures (SOPs)  
Local Subject Matter Expert  
NAVEDTRA 14202, Operations Specialist 1 & C  
NAVEDTRA 14203, Operations Specialist 2  
Navywide Standing OPTASK FOTC  
NTP-3(H), Naval Telecommunications Procedures, Telecommunications User's Manual  
NWP 3-13.1.13, Electronic Warfare Coordination  
NWP 3-20.1, Antisurface Warfare Commanders Manual  
NWP 3-20.7, Afloat OTH-T and Surveillance  
NWP 3-56 (Rev. A), Composite Warfare Commander's Manual  
NWP 62-2, Surface Ship Tomahawk Weapon System and Tactics (SNF)  
NWP 65-0-1, Characteristics and Capabilities of U.S. Navy Combatant Ships  
ON-143(V)6/14/USQ Operator's Manual for Version 5.2  
Operational Specification for Over-the-Horizon Targeting Gold (OS-OTG)  
OPNAVINST 3500.39A, Operational Risk Management  
OPNAVINST 5100.19D (CH-1), Navy Occupational Safety and Health (NAVOSH) Program Manual for Forces Afloat  
SOM (P)-6447, System Operators Manual for the AN/USQ-64(V)8, Communications System (Shore), Vol. II  
User's Manual (UM) for COP Synchronization Tools (CST), Version 2.0.8.0  
CJCSI 3151.01A, Global Command and Control System Common Operational Picture Reporting Requirements  
CJCSM 3115.01, Joint Data Network (JDN) Operations  
CJCSM 6120.01A, Joint Multi-TADIL Operation Procedures (JMTOP)  
Advanced Programming Concepts, INC Website ([www.apcinc.com/adsi.htm](http://www.apcinc.com/adsi.htm))  
NAVEDTRA 10081, Standard First Aid Training Course  
TACMEMO 6-02.1-04 Global Command and Control System - Maritime (GCCS-M)





**PERSONNEL QUALIFICATION STANDARD**  
**Feedback Form for NAVEDTRA 43555-3**

From \_\_\_\_\_ Date \_\_\_\_\_

Via \_\_\_\_\_ Date \_\_\_\_\_

Department Head

Activity \_\_\_\_\_

Mailing Address \_\_\_\_\_

*Email Address* \_\_\_\_\_ *DSN* \_\_\_\_\_

PQS Title \_\_\_\_\_ NAVEDTRA \_\_\_\_\_

Section Affected \_\_\_\_\_

Page Number(s) \_\_\_\_\_

---

For faster response, you may email your feedback to the Commanding Officer, CSCS Dahlgren VA at: [todd.hockensmith@navy.mil](mailto:todd.hockensmith@navy.mil). Please include the above information so that we may better serve you.

---

Remarks/Recommendations (Use additional sheets if necessary):

(FOLD HERE)

---

DEPARTMENT OF THE NAVY

---

OFFICIAL BUSINESS

COMMANDING OFFICER  
Center for Surface Combat Systems  
5395 First St  
Dahlgren, VA 22448-5200

---

(FOLD HERE)