

Navy-Marine Corps MARS
MARS Operator Course Final Exam

ver. 5.00
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**BE SURE TO READ ALL OF THIS INTRODUCTION
TO THE FINAL EXAM**

If you have not yet completed, and satisfactorily passed, the review test for this course please so. You must complete and pass the review before proceeding with this final exam. Review tests should be submitted to your **state** FOUR or state director for grading. Final exams must be submitted only to your **area** FOUR or **area** director for grading. (See note at end of this course.)

Be sure to use only a standard answer sheet (one page) found on the Training web site. Or copy and paste this address into your browser.
http://www.navymars.org/national/training/MOC/Test_answer_sheet.pdf

If you got this via CD there should be an answer sheet on the CD. Do not print this test and use it as your answer sheet.

The computer document version of the standard answer sheet can be filled out right on your computer then saved and attached to an e-mail. Only as a last resort should you print the sheet and mail it. This will cause delays in grading.

IMPORTANT NOTE

In some cases more than one choice of answer may be at least partially correct. Mark the box that corresponds to the **most** correct choice for each question.

Be careful marking your answers. When completing on your computer simply uncheck the wrong answer and check the right one. It is better to use a pencil if using a hard copy answer sheet so you can easily erase if you need to make corrections. If you use a pen and make a mistake, mark the correct answer and place an **X** over the incorrect choice.

Make sure ALL the information on the answer sheet is filled out, including name, MARS call sign, and mailing address. (you can add your e-mail address on the address field.) Double check your answer sheet then send it to your area FOUR. E-mailing the electronic version is preferred.

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1. NCMCMARS provides auxiliary communications on a _____, National, and international basis as an adjunct to normal naval communications.
 - a. worldwide
 - b. interstate
 - c. local
 - d. restricted

2. on 7 April 1917, the U. S. entered World War I. Within 10 days _____ of the 6000 radio amateurs enlisted for duty in the U.S. Navy.
 - a. 100
 - b. 500
 - c. 20
 - d. 1,000

3. In emergencies, MARS helps to ensure normal naval communications and provides auxiliary communications (like warnings or instructions) to _____, _____, or _____ officials.
 - a. military, civilian, disaster
 - b. naval, ARES, state
 - c. naval, emergency, medical
 - d. military, disaster, no other

4. The primary concept of MARS is to meet the _____ requirements for communications emergencies.
 - a. equipment
 - b. special facilities
 - c. security
 - d. training

5. The three fundamental requirements of MARS communications are:
 - a. security, speed, wire
 - b. security, speed, radio
 - c. reliability, security, speed
 - d. reliability, radio, wire

6. The command or activity MARS Officer, as the representative of the Commanding Officer/Officer in Charge, provides the necessary supervision for the _____ and _____ of the Command/Activity MARS station.
 - a. operation, administration
 - b. security, readiness
 - c. cleanliness, reliability
 - d. modification, operation

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7. The Military Auspices Station Custodian is responsible for _____ and _____.
- checking, correcting
 - correcting, relay
 - delivery, reporting
 - accountability of equipment, MARS station security
8. MARS Area Directors are responsible for the _____ and _____ of the MARS program within their assigned area.
- discipline, control
 - administration, operation
 - training, functioning
 - purpose, operation
9. Each state, region, and area director selects and appointments qualified individuals as needed to serve as his/her assistants. Each staff member's administrative call sign derives from the respective director's administrative call sign with a numerical modifier added to the call (e.g., NNN0ASF TWO, TWO is the modifier for ECOM assistant). The the assistant to the director for training uses which modifier?
- THREE
 - FOUR
 - FIVE
 - SIXTEEN
10. Which Assistant is assigned the modifier "ONE" ?
- Deputy or assistant director
 - Library
 - Digital Systems Operations
 - Frequency Monitoring
11. The state director is responsible to assist the MARS area director in the _____ of the program within his/her state.
- modification
 - expansion
 - administration
 - grouping
12. Acceptance of a membership application is subject to the _____ of MARS and the satisfactory completion of a _____ day trial period.
- needs, 90
 - operations, 30
 - distribution, 120
 - continuation, 90
13. One of the eligibility criteria for membership in MARS is:
- not be a member of any other emergency response organization.
 - have served on active duty in the Armed Forces
 - possess a valid Amateur Radio license
 - have a high school diploma or equivalent

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14. MARS applicants must be at least ____ years of age and must be a/an _____ of the United States or have been lawfully admitted to the United States for _____ residence.

- a. 16, immigrant, temporary employment
- b. 20, visitor, trial
- c. 18, visitor, temporary
- d. 18, citizen, permanent

15. Applications for MARS membership or to modify a member's information such as address must be submitted on form _____, to _____

- a. 100, new state director
- b. 2093/1, Chief MARS
- c. 2040, Chief of Naval Operations
- d. 630, Pentagon

16. MARS membership is concurrent with a member's _____

- a. valid drivers license
- b. membership in a civic or charitable organization
- c. residence within the 50 U.S. states
- d. valid Amateur Radio license

17. Renewal of the MARS license for Military Auspices Stations

- a. is not required.
- b. is required annually.
- c. must be submitted every three years
- d. is required when the CHOP's Amateur Radio license is renewed.

18. The expiration date of a Tango member's trial period will always be on the ____ day of the fourth full month.

- a. fifth
- b. last
- c. tenth
- d. fifteenth

19. Each member shall attain a minimum participation of ____ hours each quarter. At least ____ hours must be on HF nets.

- a. 12, 6
- b. 6, 0
- c. 18, 12
- d. 1, 0

20. While many states and regions have the NCS report net participation, it is the ultimately the responsibility of the individual member to report _____ to the state director. Members are encouraged to send _____ reports by _____.

- a. normal activities, such, message.
- b. participation, any, any means available
- c. extra activities, credit, messenger.
- d. net participation, participation, message.

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21. No matter where a net is held, or at what level, the NCS _____:
- will report the participation of each member to his/her state director.
 - has the ANCS take care of participation reports
 - will only report "Off-the air" activities
 - is responsible for net discipline
22. Time a member spends in actual disaster communications will be credited at:
- the normal rate
 - twice the normal rate
 - double the normal rate for staff members only
 - one and one-half times
23. State directors may grant Leave of Absence (LOA) status up to _____ days.
- ninety
 - thirty
 - none (LOA can only be granted by the area director).
 - 365
24. In recognition of substantial contributions made to the Navy-Marine Corps MARS program, Chief MARS is authorized to make the following appointments:
_____, _____.
- special member, indefinite member
 - associate member, honorary member
 - assistant, additional duty
 - special member, staff assistant
25. It is the member's responsibility to ensure that information concerning _____ and _____ is provided to the state director
- listening habits, time spent surfing the web
 - station capability, his/her current contact information
 - use of supplies, contact with other members
 - equipment adjustment, use of email facilities
26. The correct abbreviation for a net control station is _____
- NSC
 - NETCON
 - NCS
 - There is no abbreviation
27. The content of any correspondence, including _____, must be accurate and based on fact.
- MARS messages to congressmen
 - discussions with other members
 - TV commercials for MARS
 - press releases

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28. NTP-8 requires that any news releases concerning MARS shall first be approved by _____ with a copy sent to _____:
- area director, Chief MARS
 - US Navy press relations office, US Army PIO
 - Region Assistant for Public Affairs, Joint Chiefs of Staff
 - State newspapers, TV stations
29. The key to successful communication operations is the _____ and _____ of communication personnel at all levels.
- interest, attitude
 - ability to talk before an audience, basic knowledge
 - qualification, training
 - enthusiasm, age
30. There is a tendency to ignore training of members after the trial service is completed. _____
- It's going to change soon anyway so why bother
 - It's not really all that important after the Trial service period
 - Therefore, the secretary of the Navy will conduct training twice a year
 - However, staff and members alike must utilize on-going training regularly
31. To be eligible for designation as a THIRD CLASS NAVMARCORMARS OPERATOR (NMO3), a member must meet several requirements, including:
- all of the following
 - certain assignments in NAVEDTRA correspondence course
 - have 80 hours participation credit over last 6 months
 - be a regular member, not including trial service period, for 6 months
32. A SENIOR CHIEF NAVMARCORMARS OPERATOR (NMOSC) has _____.
- authority to direct NCS on his net operations
 - no added authority simply from this NMO designation
 - special operating privileges
 - none of the above
33. MARS has various types of Nets, including:
- Administrative
 - Emergency
 - Traffic
 - All of the above
34. The duties of the Net Control Station (NCS) include _____.
- maintaining discipline on the net
 - decide which messages should be canceled
 - solicit members' opinions about MARS in general
 - end every transmission with the phrase "OVER AND OUT"

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35. When operating on a directed net, members must obtain permission from _____ prior to transmitting.
- region director
 - NCS
 - state director
 - permission is not needed once checked into the net
36. The ability of NAVMARCORMARS to fulfill its mission depends upon its _____ and _____.
- readiness of personnel, material resources
 - public relations civilian contacts,
 - good will, contributions from civil organizations
 - aggressiveness, attitude of personnel
37. The quality of system performance is the responsibility of
- State Director
 - Chief NAVMARCORMARS
 - civilian disaster directors
 - all members not just staff personnel
38. A process of continual training and improvement of operational skills and equipment performance is achieved through routine _____.
- dedicated training nets
 - drill messages
 - emergency communications exercises
 - all of the above
39. A Communication Improvement Memorandum (CIM) may be exchanged between stations to point out message discrepancies and procedural errors. Every CIM must
- be sent only by training staff
 - clearly identify the circumstances and contain all relevant info including message identification if applicable, date, net designator, stations involved, exactly what happened.
 - be based on complaints from Chief MARS
 - be officially issued by Commander Naval Communications
40. The following practices are forbidden:
- "On the Air" conduct or actions causing embarrassment to US Government.
 - Direct contact with civilian officials regarding MARS actions
 - Transmissions during a "free" net
 - Contact with Amateur Radio stations to refile MARSGRAMS.
41. The station accepting a message for relay or delivery is responsible for the message until _____
- it has been canceled by the NCS,
 - it is more than four days old
 - accepted by another station, delivered to the addressee, or canceled by it's originator
 - the subject matter is no longer relevant

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42. Correction of errors in a message which has been transmitted and receipted for must be done by _____
- asking the originator of the message to completely redraft it
 - use of ARRL abbreviated texts
 - sending a service message
 - use of plain language at any time
43. No person is entitled to knowledge or possession of classified or unclassified communications solely by virtue of his/her _____. position, office, or _____.
- office, membership
 - rank, security clearance
 - membership, call sign
 - NMO rating, time in service
44. All the following are prohibited in messages on MARS networks except _____.
- notice of death of an immediate family member
 - use of a foreign language
 - lobbying congress
 - Emergency drill or exercise messages
45. The maximum length of the text of any morale and welfare message (MARSGRAM) is limited to _____ words.
- 25
 - 100
 - 50
 - 10
46. Only _____ messages may be refiled into the Amateur Radio service.
- personal
 - official
 - administrative
 - business
47. A log of station operations will be maintained in chronological order. Contents should include the date, time, _____, station called, _____, and summary of traffic handled.
- weather, duration
 - dial settings, net designator
 - routine or emergency, date
 - frequency, mode of transmission
48. MINIMIZE is a condition designed to drastically reduce _____ traffic
- normal message
 - Flash precedence
 - official
 - all of the above

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49. Net Designators are composed of four characters. The final character denotes

- a. time of day
- b. frequency band
- c. the type of net
- d. number of daily nets

50. If the fourth character of the Net Designator is "E", what type of net is indicated?

- a. routine traffic
- b. emergency communications (ECOM)
- c. training
- d. administrative

51. The three basic messages forms are _____, Abbreviated Plaindress, and Codress.

- a. Official
- b. Emergency
- c. Routine
- d. Plaindress

52. Messages prepared for transmission will have three parts, Heading, Text and Ending. The Ending includes _____

- a. the final break (BT)
- b. prosign K or AR
- c. conclusion of the text
- d. all of the above

53. A service message is used to obtain or pass on information regarding the handling of communication matters. The first word of the text, following the classification "UNCLAS" is _____ ..

- a. "SERVICE"
- b. the abbreviation "SVC"
- c. reference to another service message
- d. message serial number

54. When an additional addressee may need the information contained in a particular message, a recipient may originate a "readdressal" message. Readdressed messages include a new date-time group in the supplemental heading. The message is filed and referenced using the _____

- a. original DTG
- b. new DTG
- c. combined date-time groups
- d. originating station callsign

55. A "Tracer" message is a service message used to determine the reason for inordinate delay in _____ or the _____ of a message.

- a. delivery, acknowledging receipt
- b. delivery, non-delivery
- c. answering, acknowledging receipt
- d. non-delivery, cancellation

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56. Assignment of the precedence to a message is the responsibility .of _____.
- the relaying station
 - no particular person
 - the originator
 - the final delivering station
57. When it is said that messages are "inviolable" it means
- the addressees can not question the content or instruction in it
 - the content is protected and not to be disclosed except as authorized
 - they are "fool proof", there is no way for them to get lost or delayed
 - nothing very specific
58. A station may break the net with more urgent traffic than is being handled by _____.
- Yelling "break" three times
 - Simply transmitting the message to a station.
 - stating the precedence three times followed by NCS call sign.
 - None of the above
59. Operating signals ("Q" and "Z") are concise codes designed for use by communication personnel for exchanging information _____ .
- incident to handling messages
 - passing info relevant to communications
 - none of the above
 - both a. and b. above
60. NMAT message abbreviations must be expanded into _____ before refiling into the Amateur Radio system or Army or Air Force MARS systems.
- approximate meaning
 - general meaning
 - full written version
 - military jargon
61. Departures from or variations in prescribed procedure are _____.
- prohibited
 - allowed when QRM present
 - often helpful
 - ignored
62. Transmissions by radiotelephone shall be as _____ and _____ as practicable, consistent with clarity.
- detailed, precise
 - informal, clear
 - short, concise
 - detailed, short

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63. When necessary for a station to initiate test signals, such signals will not continue for more than _____ seconds

- a. 5
- b. 10
- c. 20
- d. 30

64. Operating signals ("Q" and "Z") are _____ digital mode transmissions.

- a. never used in
- b. used only in RTTY
- c. backed up by voice in
- d. designed for

65. If a station wishes to ask another about signal strength and reliability the inquiring station will call the other and say, "NNN0AAA THIS IS NNN0BBB _____ OVER".

- a. RADIO CHECK
- b. HOW'S MY SIGNAL
- c. GOT YOUR EARS ON
- d. None of the above

66. When the transmitting operator makes an error, the proword "CORRECTION" is transmitted, and the operator starts with _____.

- a. the corrected word
- b. the corrected word transmitted twice
- c. the last word or phrase correctly transmitted
- d. the remainder of the intended transmission

67 Stations are responsible for any messages they hold until a receiving station transmits a receipt by the proword on voice, or (prosign in digital mode) _____.

- a. RECEIVED (R)
- b. ROGER (R)
- c. COPY (C)
- d. CONTINUE. (C)

68. Digital communications modes are _____.

- a. only authorized to Chief MARS and his/her staff
- b. a waste of time and money
- c. MT63, RTTY, Pactor and many other approved or experimental modes
- d. something I never heard of (I didn't study any of the MOC units)

69. Formal traffic requiring relay will be forwarded _____

- a. to any station that will accept it
- b. to any other station on frequency
- c. only if requested to do so
- d. to the station closest to the destination

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70. Multiple address messages may be assigned dual precedence, one for all _____ addressees and a lower precedence for all _____ addressees.
- action, info.
 - primary, other
 - some, other
 - priority, info
71. What is the spoken proword used when you must pause just for a few seconds when transmitting a message by voice?
- “STANDBY ONE”
 - “hang on a sec”
 - “STOP”
 - “WAIT”
72. You are transmitting messages by digital mode. What is the prosign added after the first message to indicate you have more to follow?
- G
 - GR
 - B
 - K
73. When transmitting a message by voice, you make a mistake. What is the spoken proword used to make it right?
- OOPS
 - CORRECTION
 - I MEAN..
 - I SAID THAT WRONG
74. What is the purpose of an Emergency Communications Plan?
- describe action to be taken in a disaster or emergency situation
 - keep a record of damage to property
 - tell civilians what to do
 - all of the above
75. MARS members should be prepared to assist with emergency communications when requested by
- an authorized representative of the Department of the Navy
 - an authorized official of civilian government
 - an authorized member of a disaster relief agency such as Red Cross
 - all of the above
76. The name SHARES in reference to the communications group stands for:
- Service Help with Amateur Radio Emergency Services
 - SHared RESources
 - the units in which stock in MARS is sold
 - Surveyed Hardware and Radio Equipment Surplus

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77. Region directors shall promulgate a MARS Region ECOM plan based upon _____ the specific MARS region.
- the requirements of
 - number of members in
 - none, only National MARS ECOM plan is necessary
 - FCC "A" line impact on
78. Area directors shall advise _____ of any planned state, region, or area ECOM exercise within their area of responsibility (AOR).
- Chief, NAVMARCORMARS
 - other authorities as required
 - Assistant to Chief MARS for Emergency Communications
 - all of the above
79. State directors shall select _____ within the state for appointment as his/her Assistant for Emergency Communications.
- any volunteer
 - a qualified volunteer member
 - a Tango member
 - a civilian agency official
80. State directors shall advise and make recommendations to the _____ in matters concerning Emergency Communications.
- civilian agency official in charge
 - American Red Cross representatives
 - civilian police chief
 - Region Director
81. Each NAVMARCORMARS member shall endeavor to participate in _____ ECOM training programs and exercises.
- all tri-service
 - their state
 - some
 - civil defense agency
82. Communications Condition Three (COMCON III) is implemented when an emergency or disaster situation is expected to develop within _____ hours.
- 12
 - 24
 - 48
 - several
83. Communications Condition One (COMCON I) is implemented when an emergency or disaster situation is _____.
- expected next day
 - imminent
 - forecast for tomorrow
 - of unknown intensity

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84. Certain frequencies have been designated as national MARS common frequencies. In event of an emergency NAVMARCORMARS stations are requested to _____
- guard (monitor) these frequencies
 - stay off these frequencies
 - advise the press of these frequencies
 - do nothing
85. Each MARS state should establish, man, _____, and exercise at least one Auxiliary Radio Team (ART).
- equip
 - supply
 - feed
 - train
86. Whether an ECOM exercise or an actual event, the following must be kept informed, whether it is in-state only or covering a larger geographic zone.
- state and region training staff
 - region and area ECOM assistants
 - state, region, and area directors, Chief MARS, and NNN0ASZ
 - local police and fire officials
87. During any ECOM operation (actual or exercise) a situation report (SITREP) is required periodically. These are sent by message. Which addressees are required?
- cognizant state, region, and area directors
 - region director's training assistant
 - Office of the Governor of your state
 - all the above, via chain of command in the order shown
88. A Station Augmentation Team (SAT) should be established to assist in the operation of _____ and _____ stations.
- base, volunteer
 - disaster agency, VHF equipped
 - key selected volunteer MARS, military auspices
 - civilian. civil defense
89. Upon implementation of an emergency communications plan by a MARS member, a report shall be made by a _____ precedence message to Chief, NAVMARCORMARS.
- routine
 - priority
 - immediate
 - overnight
90. Which of the following is a true statement? _____
- Every MARS station is assigned to an SAT.
 - MARS members must have portable generators to remain in MARS.
 - SITREPS are sent a minimum of every hour.
 - to be useful members need to stay well informed about MARS ECOM plans and practices.

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91. During an emergency event (actual or exercise) Situation Reports (SITREPS) shall be sent at _____ hour intervals; or, sooner if the situation warrants, or if so directed.

- a. 12
- b. 24
- c. 3
- d. 6

92. Winlink is _____.

- a. the main MARS traffic system
- b. used to connect two pieces of chain
- c. restricted to Army MARS
- d. used only by Homeland Security

93. The approving authority for an ECOM exercise involving only one state is _____; and, one of the persons who must be notified of the exercise plans is _____.

- a. Region ECOM assistant, local Civil Defense officials
- b. State Training assistant, local police department
- c. state director, region director
- d. local police agency, Chief MARS

94. Joint exercises with Army and Air Force MARS are _____.

- a. sometimes useful
- b. encouraged
- c. not needed
- d. not allowed because voice net procedures are different

95. NAVMARCORMARS has been tasked by the Department of Defense (DoD) to provide information in event of a disaster by _____.

- a. any means available.
- b. regular mail
- c. hand-carried reports
- d. press releases

96. In sending reports of disaster situations, _____ is **THE** most essential element.

- a. redundancy of delivery (sent multiple different ways at once)
- b. full details
- c. speed
- d. accuracy

97. Essential Elements of Information (EEI) Identifiers are _____ used in messages reporting disaster situations.

- a. desirable but not necessary
- b. not used in initial EEI messages
- c. standardized labels for various types of disasters
- d. not used by the originator as

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98. A MARS station from any MARS service is authorized to enter any other MARS service emergency communications net _____
- during an actual emergency.
 - to socialize
 - to pass routine traffic
 - to build personal participation records
99. SHARES is a back up communications system intended to support the communications needs of
- US Military Depts only
 - non-military Federal Agencies
 - participating military and non-military Federal Depts and agencies
 - state and local entities only
100. Which of the following statements is not true about SHARES program:
- there is no limit to number of MARS members who can join SHARES
 - MARS SHARES members can operate on the frequencies of other SHARES member-organizations
 - all three MARS services are key players in SHARES operations
 - none of the above are false

End of Final Exam for MARS Operator Course

**Submit your answer sheet to your Area FOUR,
or your Area Director if so instructed.**

Do not send it to your state or region staff.