

Navy-Marine Corps MARS

MARS Operator Course

3.01.a

06 SEP 2008

If you have not yet completed, and satisfactorily passed, the review test for this course do so now, before proceeding with this final exam. Review tests are submitted to your **state** FOUR or state director. Final exams are submitted to your **area** FOUR or area director for grading.

It is preferred that you use a standard answer sheet (one page). You should have received one with this material. You can also get one on the National NMC MARS web page under Training. 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 printed out and sent in. Or, you can use a plan version, print it out, and fill it in manually. If you did not receive an answer sheet go to the MARS national web site, under "training" to obtain one, or ask your state FOUR.

Mark the box that corresponds to the most correct choice for each answer. If you are using a hard copy of the answer sheet fill in the box enough that your answer clearly shows. Be careful marking your answers. It is better to use a pencil 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. Double check your answer sheet then mail it to your area FOUR. E-mailing the electronic version should be fine, but check on your area's policy.

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1. NMCMARS 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. 1000

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, police, state
- c. naval, emergency, medical
- d. military, disaster, no other

4. The primary concept of MARS is to meet the _____ requirements for any communications emergency.

- 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 NAVMARCORMARS Station Chief Operator (CHOP) operates, maintains, and ensures the _____ and _____ of facilities and field activities of HQ NAVMARCORMARSTA (NAV).

- a. readiness, effectiveness
- b. security, readiness
- c. cleanliness, reliability
- d. modification, operation

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7. The HQ NAVMARCORMARSTA (NAV) CHOP operates a communications center for _____ and _____ of MARS messages traffic.
- a. checking, correcting
 - b. correcting, relay
 - c. delivery, reporting
 - d. delivery, relay
8. MARS Area Directors are responsible for the _____ and _____ of the MARS program within their assigned area.
- a. discipline, control
 - b. administration, operation
 - c. training, functioning
 - d. 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, ASF is the suffix, TWO is the numeric modifier). The modifier for the assistant to the director for training uses which modifier?
- a. THREE
 - b. FOUR
 - c. FIVE
 - d. SIXTEEN
10. Which Assistant is assigned the modifier "TWO" ?
- a. Emergency Communications Planning (ECOM)
 - b. Library
 - c. Digital Systems Operations
 - d. Frequency Monitoring
11. The state director is responsible to assist, and reports directly to, the MARS area director in the _____ of the program within the assigned state.
- a. modification
 - b. expansion
 - c. administration
 - d. grouping
12. Acceptance of a membership application is subject to the _____ of MARS and the satisfactory completion of a _____ day trial period.
- a. needs, 90
 - b. operations, 30
 - c. distribution, 120
 - d. continuation, 90
13. One of the criteria for eligibility for membership in MARS is:
- a. not be a member of any other organization.
 - b. have served on active duty in the Armed Forces
 - c. possess a valid Amateur Radio license
 - d. 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 must be submitted on form _____, and accompanied by _____

- a. 100, questionnaire
- b. 2093/1, copy of current Amateur Radio license
- c. 2040, certificate of eligibility
- d. 630, copy of valid drivers license

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. License is for an indefinite period.
- 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 temporary member's trial period will always be on the ____ day of the month.

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

19. Each member shall attain a minimum participation of ____ hours each quarter. No more than ____ hours per quarter for "off-the-air" participation will be credited toward meeting the minimum hours per quarter.

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

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

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28. NTP-8 requires that any news releases concerning MARS shall first be approved by:

- a. area director
- b. US Navy press relations office
- c. Region Assistant for Public Affairs
- d. State newspapers and TV stations

29. The key to successful communication operations is the _____ and _____ of communication personnel at all levels.

- a. interest, attitude
- b. ability to talk before an audience, basic knowledge
- c. qualification, training
- d. enthusiasm, age

30. There is a tendency to ignore training of members after the trial service is completed. _____

- a. It's going to change soon anyway so why bother
- b. It's not really all that important after the Trial service period
- c. Therefore, the secretary of the Navy will conduct training twice a year
- d. 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:

- a. all of the following
- b. certain assignments in NAVEDTRA correspondence course
- c. have 80 hours participation credit over last 6 months
- d. be a regular member, not including trial service period, for 6 months

32. A SENIOR CHIEF NAVMARCORMARS OPERATOR (NMOSC) must be a member of MARS for at least _____ years.

- a. one
- b. six
- c. two
- d. ten

33. MARS has various types of Nets, including

- a. Administrative
- b. Emergency
- c. Traffic
- d. All of the above

34. Among the duties of the Net Control Station (NCS) is _____.

- a. to maintain discipline on the net
- b. decide which messages should be cancelled
- c. solicit members' opinions about MARS in general
- d. 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.
- a. region director
 - b. NCS
 - c. state director
 - d. permission is not needed once checked into the net
36. The ability of NAVMARCORMARS to fulfill its mission depends upon its _____ and _____.
- a. readiness of personnel, material resources
 - b. public relations civilian contacts,
 - c. good will, contributions from civil organizations
 - d. aggressiveness, attitude of personnel
37. The quality of system performance is the responsibility of
- a. State Director
 - b. Chief NAVMARCORMARS
 - c. civilian disaster directors
 - d. all members not just staff personnel
38. A process of continual training and improvement of operational skills and equipment performance is achieved through routine _____.
- a. dedicated training nets
 - b. drill messages
 - c. emergency communications exercises
 - d. 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
- a. be sent only by training staff
 - b. clearly identify the circumstances and contain all relevant info including message identification, date, net, stations involved, exactly what happened.
 - c. be based on complaints from Chief MARS
 - d. be officially issued by Commander Naval Communications
40. The following practices are forbidden:
- a. "On the Air" conduct or actions causing embarrassment to MARS.
 - b. Direct contact with civilian officials
 - c. Transmissions during a "free" net
 - d. Contact with Amateur Radio stations
41. The station accepting a message for relay or delivery is responsible for the message until _____
- a. it has been cancelled by the NCS,
 - b. it is more than four days old
 - c. accepted by another station or delivered to the addressee
 - d. 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 _____
- a. asking the originator of the message to completely redraft it
 - b. use of ARRL abbreviated texts
 - c. sending a service message
 - d. 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 _____.
- a. office, membership
 - b. rank, security clearance
 - c. membership, call sign
 - d. NMO rating, time in service
44. All the following are prohibited in messages on MARS networks except _____.
- a. death of an immediate family member
 - b. use of a foreign language
 - c. lobbying congress
 - d. Emergency drill or exercise information
45. The maximum length of the text of any morale and welfare message (MARSGRAM) is limited to _____ words.
- a. 25
 - b. 100
 - c. 50
 - d. 10
46. Only _____ messages may be refiled into the Amateur Radio service.
- a. personal
 - b. official
 - c. administrative
 - d. 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.
- a. weather, duration
 - b. dial settings, net designator
 - c. routine or emergency, date
 - d. frequency, mode of transmission
48. MINIMIZE is a condition designed to drastically reduce _____ traffic
- a. normal message
 - b. Flash precedence
 - c. official
 - d. 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
- c. training
- d. administrative

51. There are three basic messages forms. They 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 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 requires 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 _____.

- a. the relaying station
- b. no particular person
- c. the originator
- d. the final delivering station

57. When it is said that messages are "inviolable" it means

- a. the addressees can not question the content or instruction in it
- b. the content is protected and not to be disclosed except as authorized
- c. they are "fool proof", there is no way for them to get lost or delayed
- d. nothing very specific

58. A station may break the net with more urgent traffic than is being handled by _____.

- a. Yelling "break" three times
- b. Simply transmitting the message to a station.
- c. calling NCS and stating the precedence three times.
- d. None of the above

59. Operating signals ("Q" and "Z") are concise codes designed for use by communication personnel for exchanging information _____ .

- a. incident to handling messages
- b. establishing communications
- c. none of the above
- d. A. and B. above

60. NMAT message abbreviations must be expanded into _____ before refiling into the Amateur Radio system or Army or AirForce MARS systems.

- a. approximate meaning
- b. general meaning
- c. full written version, in plain English
- d. military jargon

61. Departures from or variations in prescribed procedure are _____.

- a. prohibited
- b. allowed when QRM present
- c. often helpful
- d. ignored

62. Transmission by radiotelephone shall be as _____ and _____ as practicable

- a. detailed, precise
- b. informal, clear
- c. short, concise
- d. 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

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

65. A station that wishes to inform another of his signal strength and reliability will do so by means of a short and concise report, such as _____

- a. "Weak but readable"
- b.. "Five by Five"
- c. "Fine, continue your transmission"
- d. "not good, but continue"

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 No message is considered delivered until the 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 procedures are _____ the basic radiotelephone procedures.

- a. nearly the same as
- b. similar to
- c. identical to
- d. quite different than

69. Formal traffic will be automatically 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 _____ addressees and a lower precedence for all _____ addressees.

- a. all action, info.
- b. primary, other
- c. some, other
- d. priority, info

71. What is the spoken proword used when you must pause for a few seconds when transmitting a message by voice?

- a. "STANDBY ONE"
- b. (none)
- c. "STOP"
- d. "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?

- a. G
- b. GR
- c. B
- d. K

73. When transmitting a message by voice, you make a mistake. What is the spoken proword used to make it right?

- a. OOPS
- b. CORRECTION
- c. I MEAN..
- d. I SAY AGAIN

74. What is the purpose of an Emergency Communications Plan?

- a. describe action to be taken in a disaster or emergency situation
- b. keep a record of damage to property
- c. tell civilians what to do
- d. all of the above

75. MARS members should be prepared to assist with emergency communications when requested by

- a. an authorized representative of the Department of the Navy
- b. an authorized official of civilian government
- c. an authorized member of a disaster relief agency
- d. all of the above

76. The name SHARES in reference to the communications group stands for:

- a. Service Help with Amateur Radio Emergency Services
- b. SHared RESources
- c. the units in which stock in MARS is sold
- d. 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.

- a. the requirements of
- b. number of members in
- c. none, only National MARS ECOM plan is necessary
- d. FCC "A" line impact on

78. Area directors shall advise _____ of any planned state, region, or area ECOM exercise within their AOR.

- a. Chief, NAVMARCORMARS
- b. other authorities as required
- c. Assistant to Chief MARS for ECOM
- d. all of the above

79. State directors shall select _____ within the state for appointment as his/her Assistant for Emergency Communications.

- a. any volunteer
- b. a qualified volunteer member
- c. a Tango member
- d. a civilian agency official

80. State directors shall advise and make recommendations to the _____ in matters concerning ECOM.

- a. civilian agency official in charge
- b. American Red Cross representatives
- c. civilian police chief
- d. Region Director

81. Each NAVMARCORMARS member shall endeavor to participate in _____ ECOM training programs and exercises.

- a. all tri-service
- b. their state
- c. some
- d. civil defense agency

82. Communications Condition Three (COMCON III) is implemented when an emergency or disaster situation is expected to develop within _____ hours.

- a. 12
- b. 24
- c. 48
- d. several

83. Communications Condition One (COMCON I) is implemented when an emergency or disaster situation is _____.

- a. expected next day
- b. imminent
- c. forecast for tomorrow
- d. 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 _____

- a. guard (monitor) these frequencies
- b. stay off these frequencies
- c. advise the press of these frequencies
- d. do nothing

85. Each MARS state should establish, man, _____, and exercise at least one Auxiliary Radio Team (ART).

- a. equip
- b. supply
- c. feed
- d. 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.

- a. state and region training staff
- b. region and area ECOM assistants
- c. state, region, and area directors, Chief MARS, and NNN0ASZ
- d. 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?

- a. cognizant state, region, and area directors
- b. region director's training assistant
- c. Office of the Governor of your state
- d. 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.

- a. base, volunteer
- b. disaster agency, VHF equipped
- c. key selected MARS, military auspices
- d. civilian. civil defense

89. Upon implementing an emergency communications plan by a MARS member, a report shall be made by an _____ precedence message to Chief, NAVMARCORMARS.

- a. routine
- b. priority
- c. immediate
- d. overnight

90. The introduction to Unit 6 states.

- a. Every MARS station is assigned to an ART.
- b. MARS members must have portable generators to be effective.
- c. SITREPS are sent every hour.
- d. to be useful members need to stay well informed about MARS ECOM plans and practices.

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

- a. 12
- b. 24
- c. 6
- d. 6 or less

92. Which of the following is NOT a member of SHARES?

- a. ARES
- b. FEMA
- c. Army MARS
- d. 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 the 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 _____

- a. during an actual emergency.
- b. to socialize
- c. to pass routine traffic
- d. to build personal participation records

99. SHARES is a back up communications system intended to support the communications needs of

- a. US Military Depts
- b. Federal Agencies
- c. participating military and non-military Federal Depts and agencies
- d. Non-federal entities only

100. Which of the following statements is not true about SHARES program:

- a. there is no limit to number of MARS members who can join SHARES
- b. MARS SHARES members can operate on the frequencies of other SHARES member-organizations
- c. all three MARS services are key players in SHARES operations
- d. none of the above are false

**End of Final Exam for MARS Operator Course
Submit your answer sheet to your Area FOUR,
or as instructed by your area director. They do not
go to your state or region staff.**