

Operating Modes Information

NNNO _____

Name _____

Location (City/State) _____

USB-voice RTTY AMTOR Pactor G-TOR

Clover Packet PSK31 MT63 MFSK16

Computer: _____ Operating System: _____

Emergency Power Information

Battery Ampere Hour: _____

Generator Watts: _____ Fuel: _____

Radio Equipment Information

	Type	Manufacturer	Model	Frequency
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Antenna Information

	Type	Freq (MHz)
1	HF <input type="checkbox"/> VHF <input type="checkbox"/> UHF <input type="checkbox"/> Mobile <input type="checkbox"/>	
2	HF <input type="checkbox"/> VHF <input type="checkbox"/> UHF <input type="checkbox"/> Mobile <input type="checkbox"/>	
3	HF <input type="checkbox"/> VHF <input type="checkbox"/> UHF <input type="checkbox"/> Mobile <input type="checkbox"/>	
4	HF <input type="checkbox"/> VHF <input type="checkbox"/> UHF <input type="checkbox"/> Mobile <input type="checkbox"/>	
5	HF <input type="checkbox"/> VHF <input type="checkbox"/> UHF <input type="checkbox"/> Mobile <input type="checkbox"/>	

Verified Capabilities

All USB

2026.5 2049.5 2656.0 3190.5 3322.0
 4042.5 4472.0 4515.0 4803.5 4826.5
 7370.0 7375.0 7382.5 7387.5 7685.5 7992.5
 9210.0 10259.5 11402.0 12127.5 12223.5 14761.5 19430.0

Signature: / _____ / Date: _____

UNCLASSIFIED

**U.S. NAVY-MARINE CORPS
MILITARY AFFILIATE RADIO SYSTEM
(MARS)**

CENTRAL AREA

**NEW MEMBER NOTEBOOK
ANNEX**

**VERSION 2.4
FEBRUARY 2006**

**Director, Central Area
615 Preble Ave.
Great Lakes, IL 6008805705**

Distribution authorized to U.S. Government agencies only for operational use.

Other request for this document shall be referred to

DIRECTOR, CENTRAL AREA, U.S. NAVY-MARINE CORPS MARS

Module One

First Steps

MULTIPLE CHOICE - Write the letter of your choice on the blank line.

1. ____ Which of the following is the correct procedure for transmitting your call sign on MARS frequencies? For the purpose of this question, your call sign is NNN0WBTT.
- A. THIS IS EN EN EN ZERO WHISKEY BRAVO TANGO TANGO.
 - B. THIS IS NOVEMBER NOVEMBER NOVEMBER ZERO WHISKEY BRAVO TANGO TANGO.
 - C. THIS IS EN EN EN OH WHISKEY BRAVO TANGO TANGO.
 - D. THIS IS ZERO WHISKEY BRAVO TANGO TANGO.

(Use of proper phonetics is assumed in the following questions)

2. ____ Your State traffic net has just begun. The NECOS of the net is NNN0ZMT. He has asked for stations 'with traffic to indicate precedence and destinations of messages when checking aboard'. You hold one message for the Marine Corps Recruit Depot, San Diego, California. Your call sign is NNN0WBTT. Which is the correct transmission to make when checking into this net?
- A. NNN0ZMT THIS IS NNN0WBTT. I HAVE ONE OUTBOUND MESSAGE. OVER.
 - B. NNN0ZMT (un-key and listen)THIS IS NNN0WBTT. I LIST ONE ROUTINE SAN DIEGO CALIFORNIA. OVER.
 - C. NNN0ZMT (un-key and listen) THIS IS NNN0WBTT. I HAVE ONE MESSAGE FOR THE MARINE CORPS RECRUIT DEPOT. OVER.
 - D. NNN0ZMT (un-key and listen) THIS IS NNN0WBTT. I HAVE ONE MESSAGE. OVER.
3. ____ You are participating in a MARS HF voice net. The NECOS is NNN0AZH. Your call sign is NNN0WBTT. The NECOS calls your station and concludes his transmission with the proword 'OVER'. What do you transmit?
- A. NNN0AZH THIS IS NNN0WBTT. OVER.
 - B. NET CONTROL, THIS IS NNN0WBTT. OVER.
 - C. NNN0WBTT. OVER.
 - D. THIS IS NNN0WBTT. OVER.
4. ____ You are participating in a State voice traffic net. NNN0ACL is the NECOS. NNN0JYV has listed one routine message for your town. The NECOS directs that NNN0JYV pass his one routine for your town to you. His transmission is : 'NNN0JYV THIS IS NNN0ACL. CALL NNN0WBTT AND PASS HIM ONE ROUTINE (your town) . OUT'. What happens next?
- A. NNN0JYV transmits first and says 'NNN0WBTT THIS IS NNN0JYV. OVER.'
 - B. NNN0JYV transmits first and says 'ROGER. OUT.'
 - C. You transmit first and say 'THIS IS NNN0WBTT. ROGER. OUT.'
 - D. You transmit first and say 'THIS IS NNN0WBTT. OVER.'
5. ____ You are participating in a State voice net. The NECOS has announced to the net that 'THE USE OF ABBREVIATED CALL SIGNS IS AUTHORIZED.' How do you identify yourself when transmitting under those circumstances?
- A. You may either use your full call sign or just the suffix (the letters after the zero) when transmitting, i.e., 'THIS IS WHISKEY BRAVO TANGO TANGO'.
 - B. You must use an abbreviated call sign since the NECOS has authorized their use.
 - C. You must use your full call sign at all times.
 - D. You use your amateur call sign when transmitting.

The Phonetic Alphabet

MULTIPLE CHOICE - Write the letter of your choice on the blank line.

All questions concern the ICAO phonetic alphabet.

1. ___ What is the word for the character 'Z'?
A. ZANZIBAR
B. ZED
C. ZEBRA
D. ZULU

2. ___ What is the word for the character 'B'?
A. BRAVO
B. BOSTON
C. BAKER
D. BUMBLEBEE

3. ___ What is the word for the character 'T'?
A. TARE
B. TIJUANA
C. TANGO
D. TEXAS

4. ___ What is the word for the character 'W'?
A. WASHINGTON
B. WHISKEY
C. WILMINGTON
D. WILLIAM

5. ___ What is the word for the character 'S'?
A. SAM
B. SIERRA
C. SUSSEX
D. SYMBOL

6. ___ What is the word for the character 'C'?
A. CHARLES
B. CINCINNATI
C. CHICAGO
D. CHARLIE

7. ___ What is the word for the character 'D'?
A. DAVID
B. DENMARK
C. DELTA
D. DELAWARE

8. ___ What is the word for the character 'E'?
A. EASY
B. EASTERN
C. ECHO
D. EDWARD

Net Identifiers

MULTIPLE CHOICE - Write the letter of your choice on the blank line.

1. ___ What does the first character of a MARS net designator signify?
A. The Area, Region or State in which the net is held
B. The State in which the net is held
C. The type of net, i.e., traffic, administrative, etc.
D. The time of day the net is held
2. ___ What does the second character of a MARS net identifier signify?
A. The time of day the net is held
B. The type of net.
C. The National, Area, Region or State in which the net is held
D. The frequency of the net operation
3. ___ What does the third character of a MARS net identifier signify?
A. The serial number of the net, i.e., first net, second net, etc.
B. The Region in which the net is held
C. The mode of the net, i.e., (voice, TTY, SSTV, etc.)
D. The type of net, i.e., traffic, administrative, etc.
4. ___ What does the fourth character of a MARS net identifier signify?
A. The mode of operation (voice, TTY, SSTV, etc.)
B. The type of net, i.e., traffic, administrative, etc.
C. The time of day the net is held
D. The frequency of the net operation
5. ___ What does the following net designator signify: 5X1Z?
A. Fifth Region, Region level net, first of the day, type of net 'other'
B. Fifth Region, Ohio State, frequency channel '1', emergency communications network
C. Fourth net of the day, Michigan State, TTY mode, regular traffic net
D. Frequency channel '4', Region level net, SSTV mode, type of net 'other'

Prowords

MULTIPLE CHOICE - write the letter of your choice on the blank line.

1. ___ You are operating in a voice net. The NECOS instructs another station to relay a message to you. Your pencil just skittered across the floor and you need to retrieve it before the message is transmitted to you. Which is the correct transmission for you to make?
A. THIS IS NNN0WBTT. STAND BY ONE MINUTE.
B. THIS IS NN0WBTT HANG ON, I'LL BE RIGHT WITH YOU.
C. THIS IS NNN0WBTT. WAIT.
D. Make no transmission at all until you have the pencil in hand and are ready to copy.
2. ___ You wish to check into a voice net. What is the proper proword to use to end your initial transmission to the NECOS?
A. OVER
B. OUT
C. WILCO
D. GO AHEAD
3. ___ You are participating in a voice net. You ask a question of your State Director. You make the last transmission of the exchange. What proword do you use to end the exchange?
A. Clear
B. Break
C. Out
D. QRT

Chain of Command and Staff Members

MULTIPLE CHOICE -Write the letter of your choice on the blank line.

1. ___ **Who is responsible to oversee the day to day operations of a MARS State?**
A. Region Director
B. Assistant to the Director for Emergency Communications Planning
C. Assistant to the State Director for Logistics
D. State Director

2. ___ **Which Staff call sign indicates the Assistant State Director? Hint - refer to NTP-8(C)**
A. NNN0ASG ONE
B. NNN0G(State) ONE
C. NNN0G(State) TWO
D. NNN0G(State) THREE

3. ___ **Which is the correct Staff call sign for the Assistant to the Fifth Region Director for Emergency Planning?**
A. NNN0AS5 TWO
B. NNN0G(State) TWO
C. NNN0ASZ
D. NNN0ASA

4. ___ **Which is the correct Staff call sign for Deputy, Chief, MARS?**
A. NNN0ASC
B. NNN0ASG
C. NNN0ASI
D. NNN0ASB

5. ___ **Which is the correct call sign for the Ohio State Director?**
A. NNN0GBT
B. NNN0GAG
C. NNN0GAY
D. NNN0GBN

MARS Mission and Functions

TRUE/FALSE - Indicate whether each statement is True or False.

1. ___ **MARS mission is to provide Department of the Navy and Department of Defense sponsored emergency communications on a local, national and international basis.**

2. ___ **The primary function of MARS is to provide auxiliary communications to military, federal or civil disaster officials during periods of emergency.**

3. ___ **One of the functions of MARS is to maintain a pool of Morse code trained operators.**

4. ___ **One of the functions of MARS is to provide a potential reserve of trained radio communications personnel for military duty when needed.**

5. ___ **MARS communications policy and procedures are written by the U.S. Army's Signal Corps.**

6. ___ **One of the functions of MARS is to handle third party, morale and quasi-official record and voice communications traffic for armed forces members and other designated groups of people.**

7. ___ **You receive a message congratulating you on your support of '...MARS primary mission'. The sender is referring to your handling of routine precedence third party traffic.**

MORE PROWORDS

MULTIPLE CHOICE - Write the letter of your choice on the blank line.

1. ___ You are active in a MARS traffic net. The NECOS directs a message to be relayed to your station. Just as you hit the transmit switch, you drop your pencil. It will take only a few seconds for you to retrieve the pencil. Which of the following should you transmit?
 - A. THIS IS (your call sign). WAIT. OUT.
 - B. THIS IS (your call sign). WAIT (un-key until ready to continue, then proceed as normal).
 - C. THIS IS (your call sign). STAND BY ONE. OVER.
 - D. THIS IS (your call sign). BACK IN ONE MIKE. OUT.

2. ___ You are active in a MARS voice net. The NECOS directs a message to be relayed to your station. Just as you are about to transmit, the telephone rings. What do you transmit?
 - A. THIS IS (your call sign). WAIT. OUT.
 - B. THIS IS (your call sign). WAIT (un-key until the telephone call is completed, then proceed as normal).
 - C. THIS IS (your call sign). PHONE CALL. OUT.
 - D. THIS IS (your call sign). STAND BY. OUT.

3. ___ You are active in a MARS voice net. You are transmitting a message. You encounter the following city name in a sentence: KOW LOON. How would you transmit this so that the receiving station gets accurate copy?
 - A. KOW COMMON SPELLING WITH A 'K' LOON THAT'S L, DOUBLE O, N.
 - B. KOW I SPELL KENTUCKY OSCAR WILLIAM, KOW LOON, I SPELL LIMA OSCAR OSCAR NANCY, LOON.
 - C. KOW I SPELL K, O, W, KOW I SPELL L, O, O, N.
 - D. KOW I SPELL KILO OSCAR WHISKEY, KOW LOON, I SPELL LIMA OSCAR OSCAR NOVEMBER LOON.

4. ___ Choose the correct method of communicating, by voice, the following amateur call sign: W9FX.
 - A. I SPELL WHISKEY FIGURES NINER FOXTROT XRAY.
 - B. I SPELL WHISKEY NINER I SPELL FOXTROT XRAY.
 - C. I SPELL WHISKEY NUMBER NINE FOXTROT XRAY.
 - D. I SPELL WHISKEY NINER FOXTROT XRAY.

5. ___ Choose the correct method of communicating, by voice, the following mixed group: 12BA6.
 - A. FIGURES ONE TWO BRAVO ALPHA SIX.
 - B. FIGURES ONE TWO I SPELL BRAVO ALPHA FIGURES SIX.
 - C. FIGURES TWELVE BRAVO ALPHA SIX
 - D. FIGURES ONE TWO BOSTON AMERICA SIX.

6. ___ Choose the correct method on transmission, by voice, the following: Mark I. Smith.
 - A. MARK INITIAL INDIA SMITH.
 - B. MARK I SPELL INDIA SMITH.
 - C. MARK, COMMON SPELLING, I SPELL ITEM, SMITH, COMMON SPELLING.
 - D. MARK INDIA SMITH.

7. ___ Choose the correct method of transmitting, by voice, the following: Mark Smith III.
 - A. MARK SMITH INDIA INDIA INDIA.
 - B. MARK SMITH FIGURES THREE
 - C. MARK SMITH FIGURES ROMAN THREE.
 - D. MARK SMITH THE THIRD..

MODULE THREE

HANDLING MESSAGES

MULTIPLE CHOICE - Write the letter of your choice on the blank line.

1. ___ When is it appropriate to use both prowords, RELAY and MESSAGE FOLLOWS when transmitting a MARS message on a voice net?
 - A. RELAY and MESSAGE FOLLOWS are never used together.
 - B. When all of the addressees of the message are present on the net.
 - C. When none of the addressees are present on the net.
 - D. When one of the addressees of the message is present on the net but other addressees are not present on the net.

2. ___ Which of the following items must be kept in your station files with regard to MARS messages?
 - A. Date, time and station call sign from which you received the message.
 - B. Identifier and frequency of the net where you received for the message.
 - C. Date, time and to whom the message was delivered or relayed, and by what method (telephone, US Mail, MARS net, etc.).
 - D. All of the above.

3. ___ You have been instructed to accept a message. The transmitting station has sent the entire message and you have a perfect copy of the message. Which transmission, of those that follow, is allowed?
 - A. THIS IS (your call sign). GOOD COPY. OUT.
 - B. THIS IS (your call sign). OUT.
 - C. THIS IS (your call sign). ROGER. OUT.
 - D. THIS IS (your call sign). PERFECT COPY. ROGER. OUT.

4. ___ The NECOS of a MARS voice net issues the following instructions to his members: 'NNN0OBT, THIS IS NNN0ACL. CALL NNN0AS5 TWO, NNN0BUX AND NNN0GAP. NNN0BUX RELAY TO NNN0AS5, NNN0GAP RELAY TO NNN0ASG, AND PASS YOUR MESSAGE'. What are NNN0BUX's responsibilities with regard to this transmission?
 - A. He is to copy and receipt for the message transmitted by NNN0OBT and either relay or deliver the message to NNN0AS5.
 - B. He is to copy and receipt for the message transmitted by NNN0OBT and relay the message to NNN0AS5 TWO.
 - C. He is to copy the message in case someone else loses it.
 - D. He is to copy the message as it is transmitted by NNN0OBT and relay the message to NNN0ASG.

5. ___ For the purposes of complying with the maximum word limit in MARSGRAMS, how many words are in the following text: 'MY NEW TELEPHONE NUMBER IS 618-555-2314 AND MY NEW ADDRESS IS P. O. BOX 123, ANYTOWN, IL 62254'?
 - A. 11.
 - B. 19.
 - C. 20.
 - D. 18.

6. ___ When is the proword RELAY used on a MARS voice network?
 - A. When a station is transmitting a message that is addressed to all MARS members in his/her State (NNN0ALL (State)).
 - B. When a station is transmitting a message to another station who is the addressee of the message.
 - C. When a station is transmitting a message to another station who is not the addressee of the message.
 - D. When a station is transmitting a message that is addressed to all MARS members (NNN0ALL).

7. ___ How many words are allowed in a MARS message (MARSGRAM)?
 A. 50.
 B. 35.
 C. 25.
 D. 45.
8. ___ In obtaining a fill, what prowords can be used to point to the information that you need?
 A. SAY AGAIN WORD BEFORE...
 B. SAY AGAIN FROM ... TO.
 C. SAY AGAIN WORD AFTER ...
 D. SAY AGAIN ALL AFTER...
 E. All of the above.
9. ___ You have just transmitted a MARS message for relay purposes to another member during a voice net. He asks for a fill of the entire heading. How should your transmission begin?
 A. THIS IS (your call sign). ROGER. HEADING FOLLOWS. I SAY AGAIN, MESSAGE FOLLOWS, RELAY, ROUTINE, TIME...
 B. THIS IS (your call sign). MESSAGE FOLLOWS. RELAY, ROUTINE, FIGURES (date-time-group) ZULU...
 C. THIS IS (your call sign). I SAY AGAIN. ROUTINE FIGURES (date-time-group) ZULU...
 D. THIS IS (your call sign). RELAY, ROUTINE, TIME...
10. ___ You receive a MARS message via the MARS digital network. You are responsible to bring the message to the voice net and transmit it. The text of the message contains what appears to be a garbled telephone number, as it consists of punctuation marks and a few numbers. Can you let the receiving station know that the number is garbled and, if so, how?
 A. Yes, by making an advisory comment, telling the other operator that the phone number is garbled, before you begin transmitting the message.
 B. No. There is not method in MARS for commenting on the secure contents of a message.
 C. Yes, by telling the other operator that the message is partially garbled when you transmit the first BT (break) in the message.
 D. Yes, by stopping when you get to the garbled telephone number and using the prowords ADVISORY COMMENT, then telling the other operator that the number is garbled.
11. ___ What prowords are allowed on MARS voice nets to request fills (missing information) in MARS messages?
 A. INFO.
 B. RECHECK.
 C. SAY AGAIN.
 D. TEN NINE.
12. ___ When is the proword TIME used on MARS voice nets in the transmission of messages?
 A. Only when the message has been transmitted once and the receiving station needs a fill.
 B. Only when the message is being transmitted for relay or to the addressee. Not when giving fills.
 C. Only when the message is a MARS military format message (administrative message).
 D. Only when the message is being delivered to a third party addressee.
13. ___ What security classifications of messages are MARS members allowed to handle?
 A. Only unclassified.
 B. Unclassified and secure.
 C. Unclassified, Secret and Top Secret.
 D. Unclassified and Secret.

MODULE FOUR

MULTIPLE CHOICE - Write the letter of your choice on the blank line.

1. ___ You are operating on the MARS digital system and need to send an administrative message to several addressees including your State Director, State training officer and the State ECOM assistant. The State Director and the State training officer have already received a copy of the message sent on a voice net. In your digital message format, how do you indicate that these two addressees have already received their copies of this message?
 - A. Precede their call signs with the operating signal ZEX/.
 - B. Precede their call signs with the operating signal ZEN/.
 - C. Precede their call signs with the operating signal ZFF/.
 - D. Precede their call signs with the operating signal ZUI/.

2. ___ You receive a message addressed to you on a MARS voice net. The text of the message references a message you originated and includes the following: ZDE3. What does this mean?
 - A. The originating station cannot deliver the message.
 - B. The originating station is confirming delivery of the referenced message.
 - C. Please cancel the referenced message.
 - D. Please provide a better address.

3. ___ You are serving as the net control station (NECOS) for your State traffic net. Your traffic rep lists an administrative message addressed to NNN0ALL (your state). Who, in your State, must receive copies of this message?
 - A. All MARS members in your State.
 - B. Only the State Director and any other individuals that hold Region level staff positions.
 - C. Only the State Director and his/her Assistant Director.
 - D. Only the State Director and the members of the State staff.

4. ___ You are serving as the net control station (NECOS) for your State traffic net. Your traffic rep has listed an administrative message addressed to NNN0ALD. Who, in your State, must receive copies of this message?
 - A. Only the State Director and members of the State staff.
 - B. All MARS members in your State.
 - C. Only the State Director and his/her Assistant Director.
 - D. Only the Area Director and, then, only if he/she is located within your State.

5. ___ You receive a message addressed to you on a MARS voice net. The text begins with the following line: ZUI UR 231455Z SEP 2002. What does this mean?
 - A. Please cancel your message of 231455Z SEP 2002.
 - B. Please confirm delivery of the message bearing the date-time-group 231455Z SEP 2002.
 - C. I draw your attention to your message of 231455Z SEP 2002.
 - D. The accuracy of the heading in your message of 231455Z SEP 2002 is questionable.

6. ___ You are serving as the net control station (NECOS) for your State voice net. Your traffic rep lists a message addressed to NNN0ALA REGION FIVE. What stations in your State must receive copies of this message?
 - A. Only the State Director and his/her Assistant Director.
 - B. All MARS members in your State.
 - C. Individuals who hold Area staff level administrative positions.
 - D. The State Director and all State staff members.

7. ___ You receive a message addressed to a third party in your locality. You have tried to deliver the message by telephone and by U.S. Mail. The telephone number has been disconnected and your MARSGRAM is returned 'addressee unknown'. What are you responsible to do under these circumstances?
- A. You delete the message from your computer's hard drive and forget about it, as you could not find the addressee.
 - B. You originate a service message to the originating station informing him/her that the message was undeliverable and ask for, either, a better address, or that the message be canceled.
 - C. You send a message to your Region Director asking for instructions.
 - D. You relay the message to your State Director for him/her to deal with.
8. ___ You are operating as the State traffic net's traffic representative (T-REP). You download an administrative message that has the operating signal ZEN/ preceding several call signs in the addressee list. How do you transmit these operating signals by voice?
- A. You don't. The operating signal ZEN/ is ignored when transmitting MARS messages by voice.
 - B. You transmit the operating signal as a single word 'ZEN SLANT', followed by the MARS call sign of the addressee.
 - C. You precede the transmission of the message with an advisory comment, informing the receipting station(s) that several addressees have been 'ZEN'ed out.
 - D. You transmit the heading just as it is shown in the message, reading the operating signal ZEN/ phonetically ('I SPELL ZULU ECHO NOVEMBER SLANT').
9. ___ You are relaying a message on a voice net that was originated in another State. The receiving station asks you to verify parts of the message. How do you respond?
- A. You send a service message back to the originating station asking for verification of the questioned contents.
 - B. You respond by verifying the information, as requested.
 - C. You respond that you can confirm the contents of the message as passed but cannot verify the message contents, as only the originator can verify that information.
 - D. You retransmit the entire message, spelling phonetically any difficult or uncommon words or names.
10. ___ You receive a message with the following information in the heading: 120455Z OCT 2002 ZFF1. What does this mean?
- A. If it is not possible to deliver the message by telephone, cancel the message and notify the sender.
 - B. Upon successful delivery of the message, provide the date and time of delivery to the originating station by MARS message.
 - C. You are to record the date and time of delivery of the message in your MARS log book and keep the information for 90 days.
 - D. This is a book message and copies of the same text will be sent to each of the addressees without the knowledge of the other addressees.

TRUE/FALSE - Indicate whether each statement is True or False.

1. ___ **The Region Director has the authority to address NNN0ALL (State) (all Navy-Marine Corps MARS members in your State).**
2. ___ **The operating signal ZUI means that the originator of the message wants to know when the message was delivered.**
3. ___ **Individual members not holding staff positions have the authority to use collective call signs within their own State when they originate administrative messages.**
4. ___ **Your State training officer has the authority to address messages to NNN0ALL (State) (all Navy-Marine Corps MARS members in your State) as long as the message deals with ECOM planning issues.**
5. ___ **The operating signal ZEN is only used with third party messages.**
6. ___ **Your State Director has the authority to address messages to NNN0ALL REGION FIVE (all Navy-Marine Corps MARS members in Region Five).**
7. ___ **Only Chief, MARS, NNN0ASA, has the authority to address NNN0ALL (all Navy-Marine Corps MARS members).**
8. ___ **Service messages are never sent to third parties.**
9. ___ **Service messages always include your Area Director and the Area Director of the originating stations as addressee.**
10. ___ **A message addressed to NNN0ALC should be read on your State voice net even though the State Director is not present on the net, as there is something in the message you think everyone has a right to hear.**

MODULE FIVE

MULTIPLE CHOICE - Write the letter of your choice on the blank line.

1. ___ You have received a request for MARS ECOM assistance from the mayor of your town following a tornado strike. What should you do first?
 - A. Originate and relay an ECOM implementation message on any active MARS net or to any other MARS station, then establish an ECOM net in accordance with your State ECOM plan.
 - B. Email the implementation message, marked 'urgent', to the Region Director.
 - C. FAX the implementation message to Chief, MARS.
 - D. Try to telephone your State Director for instructions.

2. ___ What precedence is assigned to ECOM implementation messages?
 - A. Flash.
 - B. Priority.
 - C. Immediate.
 - D. Routine.

3. ___ You are active in a State ECOM net and are not located at the scene of the disaster. To whom must you address your SITREP's?
 - A. Region Director, Region ECOM Assistant and State Director.
 - B. Chief, MARS, Region Director and State Director.
 - C. State Director and State ECOM Assistant.
 - D. Region ECOM Assistant and State ECOM Assistant.

4. ___ Which of the following changes to your station's capabilities would necessitate informing your State Director?
 - A. The addition of a new, more modern computer system to your station.
 - B. The addition of a digital signal processing noise filter to your station.
 - C. The addition of a new antenna which does not add new frequency capabilities.
 - D. The loss of your HF antenna system due to high winds.

5. ___ Which of the following addrees does not belong on the list of stations to whom ECOM implementation messages are addressed?
 - A. NNN0ASG.
 - B. NNN0ASA.
 - C. NNN0ASB.
 - D. NNN0G(State Director).

6. ___ What precedence is assigned to SITREP messages during ECOM events (actual or exercise)?
 - A. Routine.
 - B. Flash.
 - C. Priority.
 - D. Immediate.

7. ___ Your Region Director has sent NNN0ALL (your State) a message setting COMCON I. As a MARS operator, what are your responsibilities under COMCON I?
 - A. MARS members should effect all measures necessary to activate (to ECOM operations) on short notice. Members should curtail their daily routine as necessary to ensure readiness.
 - B. MARS members should suspend all normal operations, as required, activate emergency (ECOM) networks and the ECOM plan, as necessary, and take appropriate precautions to ensure their own safety as well as that of their families or others for whom they share responsibility.
 - C. You have no responsibilities, as COMCON I only means that a disaster may occur within the next 48 hours.
 - D. MARS members in the affected State(s) should take preliminary precautions, test emergency power sources, locate essential items such as flashlights, ECOM plans, etc. MARS nets continue to meet on normal schedules.

8. ___ How often are station capability report updates required?
 A. Any time there is a substantial change in your station's capabilities.
 B. Only when you first enroll in MARS.
 C. Once per quarter.
 D. Once per calendar year.
9. ___ Where do you find information about addressees for service messages?
 A. Call your State Director on the telephone and ask him for directions.
 B. NTP-8 (D).
 C. Ask the Region Director.
 D. Contact Chief, MARS via personal letter.
10. ___ Which of the following statements best describes MARS mission goal?
 A. To provide current, up to date weather reports from each member station during the daily traffic net.
 B. To provide an outlet for health and welfare message traffic originated by deployed Sailors and Marines.
 C. To provide Department of the Navy sponsored communications on a local, national and international basis as an adjunct to normal Naval communications.
 D. To provide a ready pool of volunteer operators trained in handling secure, military communications.
11. ___ Which of the following documents does not contain information relevant to MARS emergency communications plans and procedures?
 A. NTP-8 (D) Annex K.
 B. Region Five Operations Guide, Annex C.
 C. NTP-8 (D), Annex D.
 D. Your State ECOM plan.
12. ___ Who has the authority to implement the MARS ECOM system?
 A. Any MARS member may implement the MARS ECOM system at any time by originating and sending an implementation message.
 B. Only State and Region staff members can implement the MARS ECOM system.
 C. Only Chief, MARS, can implement the MARS ECOM system.
 D. Only your State Director can implement the MARS ECOM system.
13. ___ You are the NECOS of your State traffic net. Stations checking into the net list the following messages, by precedence: immediate, routine and priority. Which message should be handled first?
 A. Routine.
 B. Immediate.
 C. Priority.
 D. We handle traffic as it is listed on a first come, first served basis.
14. ___ The difference between MARS exercise and actual event ECOM messages is:
 A. MARS exercise messages are never addressed to anyone outside your State.
 B. MARS exercise messages never contain names or addresses of real people.
 C. MARS exercise messages are clearly marked with the word 'DRILL'.
 D. MARS exercise messages differ from actual event messages only in that the messages clearly indicate that they are exercise messages and are never sent to NNN0DOM. In all other aspects, they are identical to actual event messages.
15. ___ To whom are station capability reports submitted?
 A. The Region Director and State Director.
 B. Region Director, Region ECOM Assistant, State Director and State ECOM Assistant.
 C. State Director and State ECOM Assistant.
 D. State Director.

MODULE SIX

ESSAY - Write your answer to the following question in the space provided.

1. Create a properly formatted EEI message in the space below. Use the EEI message format found in MODULE SIX of the New Member Notebook. The scenario is as follows:

Your town or locality is hit by a massive, force 5 tornado. Damage is heavy with several dozen homes and businesses destroyed. The electric utility lines all over town are destroyed, along with the telephone lines. Drinking water is available, but at reduced capacity, as there are many fires in the damaged sections of your town and the fire department is using almost all of the town's water supply to fight the fires. Your only hospital was damaged, but the doctors and other health care providers are operating a triage center on the front lawn. You have tried to obtain information from your television, but the local station is off the air. The local AM radio station, WJBD, is operating and you just heard the police chief say that 25 people are known dead and at least 200 more are injured. You have monitored the local fire department's communications using a VHF scanner and you have heard them say that 15 buildings are now burning. Cellular telephone service is inoperative. You have a generator and enough fuel to provide you with power to operate your MARS station for 24 hours.

Navy-Marine Corps MARS Individual Station Capabilities

Station Information

NNNO _____

Name _____

Location (City/State) _____

USB-voice RTTY AMTOR Pactor G-TOR
 Clover Packet PSK31 MT63 MFSK16

Computer: _____ Operating System: _____

Emergency Power Information

Battery Ampere Hour: _____

Generator Watts: _____ Fuel: _____

Radio Equipment Information

	Type	Manufacturer	Model	Frequency
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Antenna Information

	Type	Freq (MHz)
1	HF <input type="checkbox"/> VHF <input type="checkbox"/> UHF <input type="checkbox"/> Mobile <input type="checkbox"/>	
2	HF <input type="checkbox"/> VHF <input type="checkbox"/> UHF <input type="checkbox"/> Mobile <input type="checkbox"/>	
3	HF <input type="checkbox"/> VHF <input type="checkbox"/> UHF <input type="checkbox"/> Mobile <input type="checkbox"/>	
4	HF <input type="checkbox"/> VHF <input type="checkbox"/> UHF <input type="checkbox"/> Mobile <input type="checkbox"/>	
5	HF <input type="checkbox"/> VHF <input type="checkbox"/> UHF <input type="checkbox"/> Mobile <input type="checkbox"/>	

Verified Capabilities

All USB

2026.5 2049.5 2656.0 3190.5 3322.0
 4042.5 4472.0 4515.0 4803.5 4826.5
 7370.0 7375.0 7382.5 7387.5 7685.5 7992.5
 9210.0 10259.5 11402.0 12127.5 12223.5 14761.5 19430.0

Signature: / _____ / Date: _____