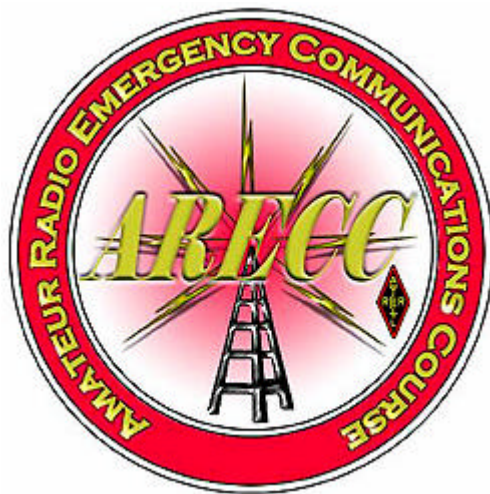


STUDY GUIDE ARRL ECC LEVEL I Q&A

Note: All reviews are open book!



REVIEW QUESTIONS PUBLISHED - Q&A IN EACH BOOK

ARRL ECC LEVEL I Q&A

When does a communication emergency exist?

When a critical communication system fails and the public is at risk.

Which of the following is it most important for an emcomm group to do at the end of an emergency operation?

Review the effectiveness of its operations.

Which of the following is NOT a responsibility of emergency communicators?

Making demands on the agency being served.

Which of the following describes the function of a Rapid Response Team (RRT)?

To deploy a quick response in a very short time.

In an emergency situation -- when a served agency asks you to forward an urgent message which of the following methods would you NOT employ?

Informal, conversational grapevine.

Which of the following best describes your main job as an emergency communicator?

Radio operator, using amateur or served agency radio systems.

Which of the following best describes the role of a modern emergency communicator?

You may be asked to serve any function that includes communication.

If you are asked by a served agency to perform a task that falls outside the FCC rules, which of the following is a proper response?

Discuss the situation with the served agency and develop an alternative solution.

In an emergency situation, which of the following is the most appropriate response that you as an emcomm group member can make to an inquiry from the press?

Refer all inquiries to the served agency's public information officer (PIO).

Which of the following will most affect your relationship with a served agency?

Your attitude.

Which of the following best describes the ARES organizational structure?

ARRL - Section - District - County

Which of the following best describes the ARES chain of command within a section?

Section Manager - Section Emergency Coordinator - District Emergency Coordinator - Emergency Coordinator - Assistant Coordinator.

Which of the following best describes a Level 2 RRT?

Responds within a few hours and is prepared with longer-term (72 hour) jump kits.

Which of the following best describes an ARES Mutual Assistance Response Team (ARESMAT)?

An ARES team who are willing and able to travel to another area.

Which of the following is true about REACT?

REACT's resources include CB, Amateur Radio, GMRS, FRS, and MURS.

When emcomm team members are called upon to operate on Public Safety Radio Systems, which of the following may they not do?

Engage in casual conversation.

Which of the following is another trademark of Continuous Tone Coded Squelch System?

Private Line

Which of the following best describes the newer Emergency Medical Radio Services

Ten UHF duplex frequencies and seven VHF simplex channels.

Which of the following statements is true about trunked radio systems?

Amateur Radio does not currently use this type of system.

When emcomm teams work with a served agency, a number of assumptions are made.

Which of the following assumptions are true?

Served agencies must provide training if amateur operators are to be used effectively.

In emergency communication, which one of the following is NOT true?

Listening is only 10% of communication.

Which of the following procedures is best for using a microphone?

Talk across, rather than into the microphone.

In emergency communications, which of the following is true?

Never use "10" codes.

Which of the following is always true of a tactical net?

Personal call signs are required at ten-minute intervals during a conversation and at the end of your last transmission.

Which of the following is the most efficient way to end an exchange on a tactical net?

Give your FCC call sign.

Which of the following best describes a net?

A group of stations who gather on one frequency with a purpose.

What is the major difference between an "open net" and a "directed net"?

The presence or absence of full control by a Net Control Station.

Which of the following is true of a "tactical net"?

The net may be directed or open, but will usually have a Net Control Station.

When should you check into an emergency net?

When you first join the net and when you have messages, questions or relevant information.

Which of the following is an important rule for emergency nets?

If you are requested by someone in authority to refrain from transmitting, do so immediately.

What is the most frequent cause of errors on voice nets?

Speaking too rapidly.

The preamble to an ARRL Radiogram message contains a block called "precedence". Which of the following represents the correct precedence for an "EMERGENCY" message?

"EMERGENCY"

The preamble to an ARRL Radiogram message contains a block called "Handling Instructions". What is the meaning of the handling instruction "HXE"?

Delivering station to get and send a reply from the addressee.

ARRL Radiogram messages contain a block called "Time Filed". Which of the following is true of entries in that block?

During emergencies "local time" is used.

ARRL Radiogram messages contain a block called "The Check". Which of the following is true of entries in that block?

The message contains a count of the words in the text of the message.

Which of the following is true of punctuation within an ARRL Radiogram?

Punctuation should only be used when it is essential to the meaning of the message.

As part of an EMCOMM group handling message traffic in an emergency, you are asked to forward a message that contains typographical errors. Which of the following is your best course of action?

Forward the message exactly as received.

As part of an EMCOMM net handling message traffic in an emergency, you are asked to forward a message in a non-standard format. Which of the following is your best course of action?

Forward the message exactly as received.

You have been asked to send an ARRL Radiogram dealing with birthday greetings.

Which is the proper format for the message?

"ARL FORTY SIX"

When delivering an ARRL numbered radiogram, what should be done?

Decode the message into plain language before delivery.

During an emergency, service messages should only be sent for which of the following categories of message?

Emergency and Priority

Which of the following best describes the responsibilities of the NCS in an EMCOMM operation?

The NCS is responsible for all aspects of the net's operation.

As an acting "fill in" NCS, which of the following practices would you avoid?

Ask stations to pass messages on the main net frequency whenever possible.

Which of the following is true of a liaison station?

A liaison station passes messages between two nets.

Packet modes include which of the following groups?

FM packet, HF packet and PACTOR

You are the NCS of a net involved in an emcomm operation and you notice that some other station is intentionally interfering with your net. Which of the following represents your best course of action?

Move the net to an alternate frequency.

Which of the following applies to public service events, but not to emcomm operations?

Logistics and personnel schedules can be arranged in advance.

Which of the following represents a similarity between public service events and emcomm operations?

Network designs can be planned and tested in advance.

Before integrating emcomm training objectives into a public service event, what must be first accomplished?

The needs of the served agency must be met.

Which of the following is true of parades?

Longer routes in different areas may require the use of repeaters.

Which of the following is true of marathons, fun runs, and Bike-A-Thons?

They may require roving stations.

What do the letters "ICS" stand for?

Incident Command System

What is ICS?

A management tool for coordinating the resources of several agencies within a single command structure.

The ICS has two interlocking parts. What are they?

Management by objectives and organizational structure.

Aside from the Incident Commander, there are four other major operating sections within an ICS. What are they?

Planning, Operations, Logistics and Finance/Administration.

How does an emcomm group fit into an ICS?

The emcomm group may or may not be a formal part of the ICS structure.

Which of the following is NOT one of the essential steps in developing a response to an incident?

Conduct evaluation of operations immediately following the incident.

Of the following, which is the best reason for preparing a jump kit in advance?

You will not leave something important at home or waste valuable time

Which of the following would you omit from a jump kit prepared for a 12 hour deployment?

Camp cot and tent.

Among the following, which are the most important items of information to include in your jump kit?

ID cards and other authorizations.

Among the following, which is the least important item of personal gear to include in your jump kit?

A deck of playing cards.

If you are assigned in advance to a particular location for emcomm operations, what is the least important thing to know in advance?

The regular business hours maintained at the facility.

In considering power sources for HF radios, which of the following is true?

Whenever possible, use deep cycle batteries to power HF radios.

In considering antennas for VHF/UHF radios, which is the best rule?

A good antenna is more important than high transmitting power.

Beam antennas have many advantages, which of the following is the best reason for selecting a beam antenna?

They maximize desired signals and reduce interference from other stations.

Which of the following statements about battery charging is true?

The optimum charging for 12-volt lead acid batteries should be about 2 volts more than the battery's rated voltage.

In comparing the 30 amp Anderson power pole connector with the 10 amp Molex connector, which of the following statements is true?

The Anderson is capable of being plugged and unplugged a greater number of times without deterioration.

When a telephone tree is activated, what should be done when a caller cannot reach one of their assigned contacts?

Call all those assigned to the person that cannot be reached.

What is an "emcomm activation liaison" for a served agency?

A member of an emcomm group who is alerted first by the agency.

Which of the following is true of e-mail as an alerting system?

E-mail is best used as a backup alerting system.

Which of the following statements is true about the NCS?

The NCS is so valuable that several members should be trained to take on the duties until the assigned NCS checks in.

Suppose that you have been activated during an emergency and have been told to report to an agency that is different from your usual assignment. Which of the following is your best course of action upon arriving at the new agency?

Introduce yourself to the person in charge as the emergency communicator assigned to that location.

You are to brief the staff of a served agency about privacy on Amateur Radio. Which of the following is the most accurate statement you can make?

There are no methods by which the security of any message can be assured on Amateur Radio.

Suppose you have been assigned to a site and the emergency ends. If the manager asks you to close your station, what is your best course of action?

Check in with the emcomm manager or NCS before closing down.

In preparing to leave a site after an emcomm event, which of the following actions is not appropriate?

Unpack all desk items that you placed in boxes and put them back in their original locations.

A debriefing should be scheduled after each emcomm event. What is the primary purpose of the debriefing?

It serves to improve future emcomm activities.

Which of the following will NOT limit VHF simplex range?

Digipeaters

Which of the following actions will NOT improve simplex reception?

Switch to a non-directional antenna

Which of the following is true about a simplex repeater?

The FCC rules do not permit unattended operation of simplex repeaters.

Which of the following is NOT an appropriate served agency assignment for an emcomm volunteer?

Typing inventory lists and filing memos.

Which of the following is a good means of dealing with stress during an emcomm event?

Prioritize your actions - the most important and time sensitive ones come first.

Which of the following statements concerning water purification is FALSE?

Purification tablets remove bacteria and particulate matter.

Which of the following is true about using chlorine to purify water?

It is best to use 2 to 4 drops of plain chlorine per gallon of water.

Which of the following is true about the personal gear you bring to a long-term incident?

Keep spare eyeglasses or safety glasses/goggles in a hard-shell, felt-lined storage case.

Many disaster assignments are in unsafe places. Which of the following is true about such locations?

Always plan more than one escape route from buildings and hazardous areas.

Which of the following statements about safety and survival is true?

Your personal safety and well-being are a higher priority than the mission.

Which best defines an MRE package?

Meals, Ready to Eat

Which of the following best describes your purpose as an emergency communicator?

To provide accurate and rapid transfer of information from one place to another.

Which of the following best describes tactical messages?

They are low precision and time critical.

Long lists and detailed messages are best handled by which of the following modes?

Fax or digital.

During an emergency, you are using voice transmissions to pass messages. Which of the following "guidelines" should govern your action if you were asked to transmit the names and addresses of victims?

If absolute privacy is required do not transmit the information by Amateur Radio.

Which of the following PSK31 modes has error correction features?

QPSK

The FCC has established a rule covering Amateur Radio operators in emergencies.

Which of the following statements best reflects that rule?

In an emergency, (as defined by the FCC), you may use any means possible to pass a message to protect life and property, but only when NO other normal means of communication is possible.

Which of the following pairs represents a LEGAL combination?

Multiple Use Radio Service and 2 watts

Which of the following pairs represents an INCORRECT combination?

General Mobile Radio Service and 10 watts.

Which of the following is NOT true of cell phones?

It is possible to send data over a cell phone network at high speeds.

Which of the following is NOT a good reason for using a courier?

Couriers are useful for delivering messages when an instant reply is required.

In Learning Unit 19, which of the following was NOT recommended as a means practicing actual emcomm skills?

Discussion groups and lectures

What is the purpose of the next course in this series (ARRL Level II)?

To prepare individuals for the jobs of NCS and Net Manager

What is the purpose of the third course in this series (ARRL Level III)?

To prepare individuals for management level emcomm positions.

Sample Personal Survival and Comfort Needs _ Modify according to you needs

- [] suitable size backpack or duffel bag for clothing and personal gear
- [] plastic storage tub for food, cooking gear
- [] toilet kit - soap, comb, deodorant, shampoo, toothbrush, toothpaste, razor
- [] toilet paper in zip-lock freezer bag
- [] small towel and washcloth
- [] facial tissues large zip-lock bags, plastic garbage bags
- [] sunscreen, insect repellent, lip balm, hand lotion for dry skin
- [] prescription medications (1 week supply)
- [] copies of medication and eyeglass prescriptions
- [] spare eyeglasses or contact lenses and supplies
- [] first aid kit (small)
- [] non-prescription medications, including pain killer, antacids, anti-diarrheal, etc
- [] extra basic clothing - shirts, socks, underwear, boots/shoes, etc.
- [] gloves for protection and warmth
- [] pocket flashlight
- [] folding pocket knife
- [] sleeping bag, closed cell foam pad or mattress, pillow (folding cot)
- [] ear plugs (soft cell foam type)
- [] black eye mask
- [] outer clothing for season and conditions (rain gear parka, hat, face mask)
- [] hard hat
- [] reflective vest, hat,
- [] travel alarm clock
- [] fanny pack
- [] chemical light sticks
- [] police or signal whistle
- [] dust masks
- [] phone/e-mail/address lists for family friends hospital, doctor, pharmacy
- [] emergency contact information in wallet
- [] spare car and house keys
- [] high energy protein bars/snacks
- [] food - freeze dried or MRE's
- [] coffee, tea, drink mixes
- [] plate, bowl, knife fork, spoon, insulated mug
- [] camp stove, small pot, matches, fuel
- [] battery or other lantern and fuel
- [] water in heavy plastic jugs, canteen
- [] water purification tablets or filter
- [] magnetic compass and maps
- [] extra batteries
- [] small tool kit, pliers, hammer, wire cutters adjustable wrench, screwdrivers
- [] duct tape and rope
- [] pens, pencils, paper
- [] radio, transistor, ht etc.