

STUDY GUIDE ARRL ECC LEVEL II Q&A

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REVIEW QUESTIONS PUBLISHED - Q&A IN EACH BOOK

ARRL ECC LEVEL II Q&A

What is the mission of a net during an emergency communication situation

To move as much traffic as possible in the shortest time, accurately and effectively

Which type of net requires minimal net control by NCS?

Open (informal) net

Which of the following is the easiest H.F. net to establish if conditions are good?

Voice (phone)

Who is responsible for coordinating the various nets and their NCS's to ensure a smooth flow of traffic within and between nets?

Net Manager

What is the difference between an open net and a directed net

An open net is conducted in an informal roundtable format with or without an NCS. A directed net is open only to those acknowledged by the designated NCS.

What is the best way to begin your NCS training?

Listen to as many formal nets as possible.

Which of the following is/are basic pre-requisites for a good NCS operator?

All of the above - clear speaking voice fluency in language ability to comprehend in a noisy, chaotic environment.

Traffic should be handled in which order?

Emergency, Priority, Routine.

Which of the following are considered to be good NCS techniques?

All of the above be concise, take frequent breaks, control tone of voice.

What is the best way to enlist the cooperation of the net?

Explain what you are doing in a calm straightforward manner.

What is the meaning of the term "double" in the context of emergency net operation?

A "double" occurs when two or more stations transmit at the same time.

When the net is in emergency operation, what should the NCS do?

Tell listeners where to go for other nets serving different functions and needs.

What should be included in situation reports transmitted over the net?

Facts only, whenever possible.

Which of the following should be used for emergency voice nets?

B & C Plain English, ITU phonetics when necessary.

In net operation, what should NCS frequently identify?

The name and purpose of the net.

Which of the following describes a workable method for delivering criticism to a volunteer-member of your work group?

B & C never in front of any other members of the group if possible & in a way that is directed at the person's action, not the person.

What percentage of people not volunteering say the primary reason they didn't volunteer was because they weren't asked?

80%

Which of the following is a reason for volunteers to join a group?

All of the above fun, personal reward by helping others, getting to know the public community service

When an emergency situation develops, what is the best to do?

Assess the situation needs and call out only those numbers of people you truly need.

When is it necessary to "fire" a volunteer?

When you find that the member is causing more harm than good to your unit, it is important that you are diplomatic in your actions while keeping the effectiveness of your unit as your primary consideration.

What should you do during a case of malicious interference to an emergency net?

Ignore the interference and the perpetrator will likely go away.

To find opportunities to hone your NCS skills, which of the following contacts can help?

All of the above - local emergency coordinator, local amateur radio club, local public event operating group

Which of the following is appropriate when dealing with an upset and dysfunctional net participant?

B & C -Slow up, don't respond instantly, take a deep breath & Empathize with the participant and ask for suggested solutions.

As NCS, how often is it in the best interest of the net to turn over duties to another NCS operator?

Every 2 hours.

On the average, what percentage of your participants will develop equipment problems, have transportation problems, or have personal emergencies that develop?

10%

Which of the following statements are true?

Police and Fire officials tend to be cautious and skeptical concerning those who are not members of the public safety professions.

Which of the following is true of the average police officer or firefighter?

He/she does not understand the differences among various radio services, types of licensing involved or the high level of expertise and discipline that is characteristic of the amateur radio service.

What is a good way to introduce your group's capabilities to a potential agency?

All of the above - Demo equip. that can be setup quickly inside headquarters building, Suggest ways that amateurs can be of assistance, Demo how easily ham equip. can interface with public safety efforts.

Which of the following are important to the ongoing working relationships between amateurs and officials?

All of the above -- initial acceptance is often difficult to achieve - image, efficiency, effectiveness.

What is the best policy for offering your group's services to an agency?

Be realistic and objective in terms of what your group promises to provide.

What has the number of public safety agencies done in the recent years?

Increased

The ARRL has a formal agreement (MOU) with the following agencies?

All of the above - National Weather Service, American Red Cross, Salvation Army.

What is the purpose of the national-level memoranda of understanding?

Encourage mutual recognition, cooperation and coordination with the subject agencies.

Before a local ARES group commits itself to the service of a particular public safety agency, what should develop?

A detailed operational plan with the agency managers in the jurisdiction set forth precisely what each organization's expectations are during an operation.

What is faced by many ARES groups?

All of the above - Competition from other amateur groups seeking to provide services, Competition with government-sponsored RACES groups, Deciding which agencies to serve.

Which of the following appointees has made the deepest commitment to the ARES program?

Official Emergency Station

What are some of the requirements and qualifications of the OES appointee?

ARRL membership, Experience as ARES registrant, Regular reporting of activities.

What does the OES appointee do?

Carries out specific functions designated by the EC or DEC.

Which of the following is NOT a general area of responsibility of the OES appointees?

Management of an ARES unit.

Which Part of the disaster situation is the OES involved with?

All of the above - pre & post disaster phases, recovery phase.

What are the requirements and qualifications of the ARRL net manager position?

Amateur radio license, full ARRL membership, and any appropriate local or section qualifications.

What is the function of the net manager?

Coordinate and supervise traffic handling and ARES net activities in the section.

What does the number of net managers in the ARRL section depend on?

All of the above - Section geographical size, number of nets in the section, other factors having to do with the way the section is organized.

Who appoints the net manager?

Section manager.

Who does the net manager report to?

NM's work under the Section traffic manager and/or SEC, guided by a coordinated section traffic and ARES plan.

How should highly technical information be presented?

More slowly than simpler material.

How should examples be used during an effective presentation?

Sparingly.

What is the best way to present material for easy learning?

Both A & B with graphics and examples.

How should presentations be made?

Stick mainly to the subject matter.

How does an effective teacher prepare for class?

All of the above - make copies for students, makes notes to oneself on presentation sheets on which examples to use and which points, tries to have fun while teaching.

Which of the following is a purpose of the ARRL Simulated Emergency Test (SET)?

All of the above to find strengths and weaknesses, to provide public demo, to help radio amateurs gain experience.

Who runs the SET?

Emergency Coordinators and Net Managers.

Who should sign simulated emergency messages?

Authorized participating served agency official.

The interface between NTS and ARES is handled by:

Liaison function.

What happens before the SET?

A meeting is called to briefly outline SET activities.

The ARESMAT concept is to be employed:

As a "last resort".

Who has authority over ARESMATs that are deployed in the field?

d - An incoming team should be prepared to submit to the hosting authority.

How should an ARESMAT member be prepared?

All of the above be physically fit, have high performance standards and experience, be a good team player.

Which of the following is NOT a function of the SEC in ARESMAT development?

Post event debriefing and analysis.

Upon arrival in a disaster area, what should the ARESMAT leaders do?

Check in with the ARES official.

Which of the following are NOT MOU partners with the ARRL?

None of the above

What non-governmental agencies provide relief to disaster victims?

American Red Cross & Salvation Army.

What is the purpose of the ARRL's national level MOU's?

A & B To open doors or opportunities for local amateur service groups to provide support. To set forth general capabilities, needs and expectations for both parties.

Who is the "clientele" of both the agency and Amateur radio?

The public.

At what level does the ARRL interface with APCO-International?

d - B & C National level and chapter level.

What is a unique characteristic of amateur radio that sets it apart from other systems?

Decentralization.

What should amateur organizations such as ARES and RACES do?

Present a unified, coordinated front to served agencies.

What is an example of a possible new, non-traditional agency for amateur radio to serve?

All of the above Public works department, Utility company, Hospital, Local School.

What is a major problem occurring at many large-scale disaster scenes?

Inability of responding agencies to communicate with one another at a disaster site.

Where should requests for emergency frequency declarations be directed?

FCC field office nearest the scene.

What constitutes a communication emergency?

Normal communication systems are disrupted.

For localized emergencies, you should request FCC declarations for frequencies for which of the following?

Open-ended periods of time.

Before requesting an emergency frequency declaration, it is a good idea to do which of the following?

Both B & C Check for possible frequency conflicts to the extent possible. Contact and gain support of an official emergency manager.

What do you do if you are not sure that you need a frequency declaration?

Do not request a declaration unless it is absolutely necessary.

What is meant by a tornado watch?

b - conditions are favorable for tornado activity

At which wind speed does a tropical storm become a hurricane?

75 mph

What type of weather information should be transmitted on a SKYWARN net?

All of the above Any weather conditions requested or spelled out by NCS, hail, critical severe weather events only

Which organization/office offers SKYWARN training?

d - All of the above NWS, Emergency Management , NWS publications

Which of the following is involved in personal preparedness for field deployments?

All of the above Physical conditioning, psychological preparation and counseling as needed,, inventory of items for self-sufficiency

A good personal response kit should contain which of the following items?

All of the above flashlight, AM/FM radio,, chemical handi-wipes

Which of the following, at the very minimum should ARES responders have?

B & C one day ration of high-energy high-fiber food bars & one day supply of water

In what should a personal response kit be contained?

a small backpack

Which of the following BEST describes where you should be located when in the vicinity of a HazMat incident?

Far enough away to ensure your safety.

What is the federal agency responsible for warning the public about hazardous materials containers and shippers?

Department of Transportation

Before transmitting in the area of a HazMat incident what should you always do?

Be far enough away so that no vapors and fumes are present

On the sides of transporting vehicles how are different classes of hazardous materials identified?

All of the above Placards, Four-digit numbers, Warning labels and/or icons

Gasoline tankers filling neighborhood gas station's underground tanks are identified with a placard bearing which of the following?

1203

What are two components of the Hospital Disaster Support Communication System?

Call-up Responder and Core Team Responder

Which of the following best describes most hospital communications?

Short point-to-point tactical communications

What is the most needed mode of communications for hospitals?

Voice communications

Which of these is most applicable for supporting hospital communications?

B & C Multiple channels should be available & Autopatch capabilities is valuable

Preparation for hospital communications begins by which of the following?

Cooperating with administrators and public relations personnel

What is DMAT?

Disaster Medical Assistance Team

What does a federal coordinating center do?

All of the above - Maintains local hospital network, Develops patient reception, transportation & communications, Coordinates the reception and distribution of patients

What is ARES' role in DMAT?

ARES members are trained to travel with the DMAT to provide communications support

What is the purpose of the NDMS (National Disaster Medical System)?

A & C - Assist with the medical effects of major peacetime disasters, Support military systems in caring for war casualties evacuated back to the U.S.

What is the principal agency involved with NDMS?

U.S. Public Health Service

W4EHW HURRICANE WEATHER REPORT FORM

Reporting Station: _____

Geographic location: _____

Location: _____ Lat/Long _____ Degrees North _____ Degrees West

Time of Observation: _____ UTC (note time zone)

Sustained Wind Speed: _____ mph/kph (circle one)

Maximum Gust Speed: _____ mph/kph (circle one)

Wind Direction: _____ degrees

Barometric Pressure: _____ inches or millibars

Comments: _____

Damage reports, rain amounts, etc

From Operator: _____

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