

Amateur Radio Voice Operating Guidelines Exercise 1 Answers

1. Define a YCA/R net.

A: A YCA/R net is any amateur net activated by the request of the Yavapai County ARES/RACES Emergency Coordinator (EC).

2. What information must be logged by the NCS at check-in time in a net operation?

A: Date and time of check-in, call sign of station, status (member, trained weather spotter, etc.) and location if not at home, availability.

3. List the basics of net etiquette.

A: -- Listen
-- Be brief
-- Use plain English
-- Watch your word choice
-- Use standard ITU phonetics
-- Always check out before leaving

4. Which call signs should be used for net traffic by YCA/R members?

A: If tactical call signs are assigned by the NCS, e.g., Fuel 1, Fuel 2, the operator will use the tactical call sign. Remember, the operator's amateur call sign must be used at the end of each transmission and at least every 10 minutes during an exchange of transmissions.

If tactical call signs are not assigned, the operator will use his/her amateur call sign at all times.

5. When tactical call signs are assigned, they are assigned to:

- a. Individual operators
- b. Operational positions
- c. Both a and b

A: b

6. What must each station do before leaving the frequency?

A: Check out.

7. What must the NCS log when a station checks out?

A: -- date and time of check-out
-- call sign

8. Define a directed net.

A: A directed net is one in which all traffic must be passed only with the consent of the NCS. No direct station-to-station traffic will be allowed without such consent.

9. What is the purpose of a directed net? Why is this important?

A: To allow the NCS to direct all traffic occurring on the frequency. The net control operator has an overall view of the operation and can prioritize the traffic.

10. What is the designation of the highest precedence traffic?

A: LIFE SAFETY

11. If you have traffic to be passed directly to another station on the net, how will it be passed if you and the recipient station cannot copy each other?

A: It will be relayed by the NCS.

12. Write the transmission(s) that would be used for the following scenarios.

a. Your call sign is N7XXX and you have weather traffic.

A: Net Control from N7XXX with weather

b. Field unit assigned to Fuel Truck 1 has traffic for net control.

A: Net Control from Fuel 1 with traffic

- c. Your call sign is K7ABC and you have status of Fuel Truck 1 to which you are assigned.

A: Net Control from Fuel 1 with status

- d. Your call sign is WB97ZZZ, you are assigned to Food 2 and you need to talk directly with KB7YX assigned to Shelter 3 on the same net.

A: Net Control from Food 2 with traffic for Shelter 3

- e. Field unit assigned to Fuel Truck 2 has a message for Fuel Truck 1 and requests permission to pass the traffic.

A: Fuel Truck 2: Net Control from Fuel Truck 2 with traffic for Fuel Truck 1.

NCS: Fuel Truck 1, can you copy Fuel Truck 2?

Fuel Truck 1: Affirmative.

NCS: Fuel Truck 2, you may go direct with Fuel Truck 1.

Fuel Truck 2: Fuel Truck 1 from Fuel Truck 2.

(If Fuel Truck 1 responds, message is passed and Fuel Truck 2 clears. If Fuel Truck 1 cannot copy, Fuel Truck 2 may ask Net Control to relay traffic.)

- f. During exchange e above, Fuel Truck 3 has additional information to give to Fuel Truck 1.

A: Fuel Truck 3: Net Control from Fuel Truck 3 with additional information for Fuel Truck 1.

NCS: Fuel Truck 1, can you copy Fuel Truck 3?

Fuel Truck 1: Affirmative.

NCS: Fuel Truck 3 from Net Control. Go ahead.

Fuel Truck 3 passes traffic to fuel Truck 1 as in e above.

14. If you are a field unit assigned to the EMS (Emergency Medical Services) coordinator and he requests additional supplies for use at the triage site as soon as possible, what precedence would you attach to your message?

A: URGENT if need is urgent but not critical

LIFE SAFETY if it were a matter of life or death, or serious injury or damage to property

15. If you are the NCS and hear a unit call with LIFE SAFETY traffic, but did not copy the unit's call sign, what would you do?

A: Net control to all units. Stand by.

Unit with LIFE SAFETY traffic please repeat (continue exchange until you have verified the message).

Net control to all units. Is there additional traffic for the net? (Indicates that the LIFE SAFETY traffic has been completed.)

16. State the purpose of tactical call signs.

A: Tactical call signs facilitate communication by indicating what function a person is serving.

17. List and define the three YCA/R precedence codes to determine traffic priority.

A: -- LIFE SAFETY: Life or death, or serious injury or property damage, handle immediately.

-- URGENT: Urgent, only EMERGENCY messages handled before these.

-- ROUTINE: Inquiries as to the health and welfare of someone in the area. Handle after EMERGENCY and URGENT traffic.

18. May control operators allow non-amateur personnel to make transmissions on an amateur radio?

A: Yes. However, the control operator must place the call and not allow the user to exercise control of the radio, i.e., changing frequencies. The control operator must always be in a position to take control of the radio and must sign off on the transmission

19. Using the following components, indicate the correct transmissions for the following scenarios.

NCS: -- Net Control Station (K7ABC)
K7XXX: -- Amateur operator call sign
K7ZZZ: -- Amateur operator call sign
<tac>: -- A tactical call sign
.....: -- Message text
status: -- Requesting status
go ahead: -- Proceed with communication
from: -- Message/transmission from

Example: Traffic initiated by NCS requesting status from a station.

NCS: K7XXX from Net Control, status?
K7XXX:, K7XXX
NCS: OK, K7ABC

a. NCS has traffic for K7XXX.

A: NCS: K7XXX from Net Control
K7XXX: K7XXX, go ahead
NCS:, K7ABC
K7XXX: OK, K7XXX

b. A field operator, K7XXX, has traffic for the NCS.

A: K7XXX: Net control from K7XXX with traffic
NCS: K7XXX, go ahead
K7XXX:, K7XXX
NCS: OK, K7ABC

c. One field station, K7XXX, has directed traffic for another station (K7ZZZ) assigned some tactical call sign <tac>.

A: K7XXX: Net control from K7XXX with traffic for <tac>
NCS: <tac>, this is Net Control, can you copy K7XXX direct?
K7ZZZ: <tac>, affirmative
NCS: K7XXX, go ahead
K7XXX: <tac> from K7XXX
K7ZZZ: Go ahead, <tac>
K7XXX:, K7XXX
K7ZZZ: OK, K7ZZZ
K7XXX: K7XXX clear