

**Lake Oswego  
Amateur Radio Emergency Services  
(LOARES)**

A Resource Guide

For

**TACTICAL COMMUNICATIONS**

by

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April 2002

Rev. 1

**Lake Oswego ARES**  
**TACTICAL COMMUNICATIONS**

0. Introductory Exercise

**The Lake Oswego Players Present A One Act Play**

**“Drift Nets”**

**The Scene**

**Narrator:**

**You are witness to the activities of an emergency communications team shortly after an earthquake has hit the Plainville area.**

**A Net Control Station has been established at the EOC and a temporary Net Control (the newest member of the ARES group) has just activated the Net.**

**At the conclusion of the one act play, you will be asked to comment on what you observed.**

**Now let’s listen to the Plainville Emergency Net:**

### Butter Cup 3

#### Instructions:

1. You are to “check in” using the following statement:  
**“Net Control.. This is W9ABC at Butter Cup 3.”**
2. In addition, you are to handle the following traffic..spaced out over the next five minutes. In handling your traffic you are:
  - A. To identify yourself by a shortened version of your call sign (use only “ABC” – which you pronounce “**Able Baker Charles**”)
  - B. You send your messages only when someone else is on the air. In other words, when you hear someone talk, you interrupt..

Message Number 1.

**“I am only ham here. There are eight CERT people.”**

Message Number 2.

**“There is a soccer game at the athletic field.”**

Message Number 3.

**“There is a car driving by with only one head light.”**

Message Number 4.

**“Some people have gathered in front of my station. They are waving to me.”**

Message Number 5.

**“The CERT team reports smoke coming from a backyard barbeque.”**

Message Number 6.

**“I heard on the radio that there was a three car fender-bender on I-5.”**

Message Number 7. (Check out)

**“This is Able Baker Charles“**

Off The Air

## Net Control

**Background: The Plainville Emergency Network operates in four locations. EOC (where you are), Butter Cup 1 (at the other fire-station), Butter Cup 2 (at the State Park) and Butter Cup 3 (at the high school ).**

**You are new to the Emergency Communications group and just happened to be walking by the EOC when the earthquake struck.**

**You rushed inside the EOC, lit off the radio and activated the net.**

Instructions:

1. Activate the Net by saying:  
**“This is KB9XX, the NET Control station for the Plainville emergency network on Frequency 146.04 MHz. We are having an emergency. All stations on the Plainville emergency net please check in at this time.”**
2. After Stations Check In:  
**“This is Net Control, all stations please report personnel status at your location.”**
3. After the personnel report state:  
**“Any station with routine or priority traffic call now. If you have emergency traffic you may break in at any time.”**
4. Make NO attempt to correct anything that anyone says or does on the net.
5. After you receive at least three reports from each station, close the NET:  
**“This is KB9XX, the NET Control station for the Plainville emergency network. We are securing the net at this time. All stations please check out”**

Butter Cup 2

Instructions:

1. You are to “check in” using the procedure as follows:  
    **“Net Control.. This is KA7AA at Butter Cup 2.”**
2. In addition, you are to handle the following traffic..spaced out over the next five minutes. In handling your Message traffic you are:
  - A. To identify yourself **only** by your FCC call sign throughout (Do **not** use “ Buttercup 2”).
  - B. You are to **begin** and **end** each Message with “This is KA7AA.”
  - C. You are also to talk directly (personal greetings and questions) to your good buddy “Bill” at Buttercup 1.

Message Number 1.

**“One ham and four CERT people here.”**

**(“Bill, how are you getting along?”)**

Message Number 2.

**“The picnic pavilion looks OK.”**

**(“Bill , did you watch the winter Olympics?”)**

Message Number 3.

**“CERT people here want to know: Where is the fire truck?”**

**(“Bill, have you seen the fire truck?”)**

Message Number 4 (Check out)

**Do Not Check Out.**

**(“Bill, I will see you later.”)**

Off The Air

## **Task Number 1: Debrief The One Act Play**

A. Find a partner.

B. With your partner:

1. Identify three things that were done correctly,
2. Name 10 things that were done incorrectly.
3. If you were to develop guidelines for operating the Plainsville Emergency Net, what five rules would you write?

## Butter Cup 1

### Instructions:

1. You are to “check in” using the following statement:  
    **“Net Control.. This is Bill at Butter Cup 1.”**
2. In addition, you are to forward the following traffic..spaced out over the next five minutes. In handling your traffic you are:
  - A. **Never** to identify yourself by your FCC call sign (use only “ Buttercup 1”).
  - B. You are **always** to add additional, descriptive detail to each message. For example:if the message is that a tree has fallen across the road, be sure to describe the type of tree, whether it has leaves on it and any historical significance the tree might have.

Message Number 1. (Remember to add lots and lots of detail)

**“I am only one here. No CERT people. No Firemen in station.”**

Message Number 2.

**“ A tree has fallen across the road.”**

Message Number 3.

**“The door to the fire station is broken. And the fire truck cannot get out.”**

Message Number 4.

**“The boat is here.”**

Message Number 5 (Check out)

**“This is Butter Cup 1. I’m checking out now.”**

Off The Air

## I. Some Definitions and Concepts

### A. Net Defined:

A net is simply a group of Amateur Radio operators who meet on a particular frequency at a particular time.

### B. Nets Come in Two Flavors:

**Open (Informal) Nets** - used with a group of friends to “rag chew.”

- There is still an order (perhaps “round robin” or rotation) agreed upon by participants.
- Works with low traffic volume and having no priorities.
- Stations may call one another directly without asking permission.
- Works with people who do this together frequently.

**Directed (Formal) Nets** - used when large number of stations involved or when traffic must be handled expeditiously.

- Distinguishing feature is that one station is in control (Net Control Station–NCS).
- Participating stations must request permission to pass traffic or to call another station.
- Good for groups that do NOT work together all the time.

### C. Varieties of Directed Nets

#### 1. **Resource/Logistics Nets:**

Used to acquire volunteers and to handle assignments.

(Accepts “check ins” from volunteers and directs them to contact another station or to proceed to a specific location.) – *Was set up at D1 level during the floods in 1996.*

#### 2. **Traffic Nets**

Used for efficient passing of formal traffic such as for the National Traffic System (NTS).

#### 3. **Incident Command System (ICS) Nets**

Mirrors the incident command structure of participating agencies.

>> Used to pass command /control traffic.

#### 4. **Tactical Nets**

Nets that focus on the working traffic required to run the situation i.e.,

>> Two way traffic, info and requests **from** the field to EOC as well as info and directions **to** the field from EOC.

#### 5. **Liaison Nets**

Nets that provide two way traffic between two Nets (e.g., a Tactical Net and an Incident Command Net).

#### **Figure 1. Commentary:**

- Other locals will use different approaches
- Size of event determines exact usage of various nets
- You can learn how to enter and operate in a well run net by observation
- Our local operation will be primarily Tactical/Operations; Resource/Logistics and Traffic will be handled as required.
- We operate under the ICS system.

## **Task Number 2. Discussion Questions:**

In consultation with your partner answer the following questions:

1. What is the essential difference between a Directed Net and an Open Net?
2. What is the difference between a Logistic Net and a Tactical Net? Might they ever be the same?
3. What is the difference between a Tactical Net and a Liaison Net? Might they ever be the same?
4. Classify the net you observed during the one-act play.

## II. Net Protocol (Tactical / ICS Net in Lake Oswego)

### A. Some Guidelines:

#### 1. The LOARES Emergency Net

- Is part of the ICS
- Always has a Net Control Station (NCS)

#### 2. The NCS for The LOARES Emergency Net

- Can be any station
- Normally the NCS will be at Main Fire Station.
- During high stress, high traffic conditions NCS can and should be separate from the station handling traffic in and out of Main Fire Station (Tactical vs Incident Command Net)
- NCS can be transferred (rotation process or temporary relief)

#### 3. All Stations Must Check in and Check out of The Net

- Stations are resources that are being counted on, even when they are not immediately active.
- Calling an absent station wastes time.
- Do a temporary “check out” when leaving the radio, check back in when you return.
- If traffic is light, check in for operator change.

#### 4. Use of Tactical and FCC Call Signs

>> **Use tactical call signs.** (Example: “Westlake” or “Jean Road”)

- Tactical call signs match the organization of the event
- Can be added or dropped as needed (by NCS)
- Are not dependent on individual
- Make it easier to remember what location or function you want to talk to, rather than the person at that location or function.

>> **End with FCC call signs**

Use FCC call sign:

- (a) when you believe you have completed an exchange **or**
- (b) at 10 minute intervals **or**
- (c) at the end of the communication.

#### 5. Stations Ask Permission to Use The Net

- This is the primary, defining point of a directed net
- This allows NCS to prioritize traffic according to the following:
  1. **Emergency:** Immediate Life/Death urgency.
  2. **Priority:** Messages having specific time limit, official messages NOT covered by Emergency category, press dispatches and emergency-related traffic NOT of the utmost urgency.
  3. **Welfare:** Inquiry/response regarding health and welfare of individuals in the disaster area.
  4. **Routine:** Encompasses most traffic on the net.
- Requests to use net do **not** include the traffic nor the **labels** for categories **2, 3** or **4** above. However, requests to use the net do identify the **label** of message in the **Emergency** category.

#### **Example (Non-emergency traffic):**

*Daisy One: Net, this is Daisy One. I have traffic for EOC.*

*NCS: Daisy One, Net. Stand by.*

*(Pause)*

*NCS: Daisy One. Go ahead.*

- Hold down requests to pass lower priority traffic until net activity level subsides.
- For **EMERGENCY** traffic, request permission immediately and state that you have **EMERGENCY** traffic.

#### **Example (Emergency traffic):**

*Daisy One: Net, this is Daisy One.*

*I have Emergency traffic for EOC.*

*NCS: Daisy One. Go ahead.*

#### 6. Only One Station Uses The Net at ATime

- At any given moment on the net, two stations may be involved with one (and only one) station sending traffic and the second receiving traffic.
- With only one message on the table at a given time, it becomes less likely that parts of several messages will get intertwined.
- Dealing with only one message at a time improves efficiency by insuring that each communication is handled quickly.
- It is the responsibility of the NCS to prioritize the traffic on the net.
- It is important to leave “open spaces” between transmissions to permit emergency traffic opportunity to break in.
- **Overriding Rule!!** A real life-death emergency should break into routine traffic to get the attention of NCS.

**Example: (Interrupting)**

*Daisy One: Net, this is Daisy One.*

*I have Emergency traffic for EOC.*

*NCS: Daisy One. Go ahead.*

7. All Stations Will Listen & Pay Attention at All times – Situational Awareness

- Operators can participate better when they know what is going on around them.
- Operators may be the only “ears” available to those in charge of the site.
- Situational Awareness helps you to prioritize your own traffic on the net.
- Situational Awareness may also keep you from repeating information on the net.

8. Privacy

- In general, the names of victims are NOT to be transmitted over the air.
- On the other hand, it is permissible to use specific addresses.
- If the message involves a request to set up an on-air third party exchange, then position titles are preferable or (in this case) specific names may be used.

- For inquiries regarding phone numbers or e-mail addresses, the rule is NOT to air such information UNLESS specific permission has been granted by the addressee.

### Task Number 3. Discussion Items:

With your partner address the following:

1. Classify the Lake Oswego Emergency Net.
2. What are the levels of traffic priority? Which do we use in LOARES?
3. **Analogy Time!** An analogy is a comparison of two unrelated items. It is a partial likeness drawn between two things. For example: A heart can be compared to a pump because they both pump fluids and both may wear out. Also, both may be at the center of a system.

Now try completing this one: Automobile traffic is like a stream of water because....

Now for the hard part.

Develop analogies for:

A. **An open net** is like \_\_\_\_\_ because....

B. **A directed net** is like \_\_\_\_\_ because...

C. **The Net Control Station** is like \_\_\_\_\_ because....

D. **The guidelines for operating a net** are like \_\_\_\_\_ because...

4. Review all of the Net Guidelines covered so far. If you were forced to select the three most important guidelines for operating a directed net, which three would they be?

### III. Tactical Communication Protocols

#### A. "Checking In" and "Checking Out."

In LOARES Net operations there are **six** occasions that involve Check In or Check Out procedures.

##### 1. The Net's "Soft Start-up"

When the Net is first activated, the first station on the air serves as Net Control. As other stations come on line, they check in with the (temporary) Net Control. In this phase, the Net is a Resource Net, since the purpose is to determine the resources that will be available.

>> When checking in say:

*"Net, this is (FCC-call sign).*

*I am located at (\_\_\_\_\_) **or***

*I am en route to (\_\_\_\_\_) and will arrive in (\_\_\_\_\_) minutes).*

*I am operating (type of equipment)."*

##### 2. The Net's "Formal Start-up"

The designated Net Control takes charge and formally opens the Net with a standard script. The final portion of the script invites all stations on the Net to check in.

>> When checking in say:

*"Net, this is (FCC-call sign) at (Location)"*

If there are additional operators on site with you, provide Net Control with their FCC call signs as well.

##### 3. When the station will be TEMPORARILY off the air

Before leaving the radio room or shutting down temporarily, the Station Operator should advise Net Control.

>> When TEMPORARILY checking out say:

*"Net, this is (FCC-call sign) at (Location).*

*I will be away from the Net for X minutes" **or***

*”Net, this is (FCC-call sign) at (Location).  
The station will be off the air for X minutes while  
(e.g.) changing over to emergency power.”*

Do, however, remember to check back in.

#### 4. Transition

When the station operator is turning the station over to another operator, it is a good idea to keep Net Control informed.

>> When another operator is taking over the station say:

*“Net, this is (FCC-call sign) at (Tactical Call Sign). I am leaving,  
(FCC Call Sign) will be taking over.”*

#### 5. Permanent closure of the station

Remember that permission is required from Net Control for a station closure. (Recall that Net Control is in the business of managing a resource and may be aware of factors unknown to local station operations.)

>> When checking out say:

*“Net, this is (Tactical Call sign--e.g., Daisy One),  
requesting permission to secure.”*

Station operators must then wait until Net Control gives permission.

Net Control: *“Daisy One, this is Net. Permission to secure.”*

#### 6. Closure of the Net

Ordinarily, Net Control will state that the Net is closing. Under this condition, individual stations are NOT required to check out.

### B. The Tactical Message Protocol

The ABC’s of Messages: Accuracy, Brevity, Clarity

Accuracy – Question: Does the message truly represent what the sender intends?

>> Accuracy is best accomplished by writing the message.

Brevity – Make the message as short as possible, while meeting the requirements for Accuracy and Clarity.

>> Rely on Nouns and Verbs. Reduce or eliminate the use of adjectives.

Clarity – Question: Will the recipient understand what the sender intended?

>> A common vocabulary helps (See Figure 2)

>> When Clarity fails, try using different words (do NOT just yell louder and more slowly into the microphone)

(Examples: Substitute “house” for “residence” or “car for “motor vehicle”)

#### The Communications Sequence in Six Easy Steps

1. Compose the message (mentally or on paper)
2. Call NCS for permission to use the Net to pass traffic
  - >> Do indicate priority level of traffic
3. Call the receiving station
4. Establish the link with the receiving station
5. Transfer the message
6. End the communication.

#### **Details for The Six Steps in The Communications Sequence:**

**Step 1.** Significant messages will likely arrive in written form. They will likely need to be review according to the ABC concept. Rewrite the message as you will transmit it, then transmit as written. Some messages, such as those the Incident Commander or other authorities, may NOT be open for rewrite. Some simple traffic may NOT require extensive writing, but will still need to be noted in the radio log.

## **Steps 2, 3, 4. When the traffic is for the NCS**

*WL: EOC this is Westlake*  
*EOC: Go ahead Westlake*

*WL: Traffic for EOC*  
*EOC: Ready to copy or (Standby Westlake)*

### **When traffic is for a station that is NOT NCS**

The NCS moves both stations to secondary frequency. Both stations check back in when they have completed their exchange.

*WL: EOC this is Westlake*  
*EOC: Go ahead Westlake*

*WL: Traffic for Jean Road*  
*EOC: Make your contact or (Standby Westlake)*

*WL: Jean Road this is Westlake*  
*JR: Go ahead Westlake*

*WL: Traffic for you*  
*JR: Ready to copy.*

## **Step 5. Transmit the message**

- Send the message exactly as prepared
- Write the message exactly as sent
- Read slowly, at writing speed
- Pause at logical breaks in the message. Unkey to allow receiving station the option of requesting clarification.
- Option: Allow third parties at both ends to use the radio for direct verbal communication.
- Really tricky part for the recipient. How do you know when the message has been received correctly?

>> You can **erroneously** be absolutely positive that you correctly received the message, when (in fact) you did

NOT.

>> If you want to verify that you have received the message correctly, say:

**"Copy..(and repeat the gist of the message)."**

**Example:**

*M: Lt. Smith reports that Reserve Engine 212 is  
in service with a 4-man crew*

*R: Copy. Reserve Engine 212 in service*

>> If you believe you received entire the message correctly,  
acknowledge with the word **"Copy."**

**Step 6.** End the communication by using your FCC call sign.

- Do understand that the FCC call sign at the end of a message eliminates the need to do things like "Over and Out" and "Back to Net"
- It is also an easy way to insure that the FCC identification requirement is met.

**Example:**

*WL: Lt. Smith reports that Reserve Engine 212 is in service  
with a 4-man crew*

*EOC: Copy. Reserve Engine 212 in service. KZ7POR*

*WL: K7VMI*

## **Task Number 4. Practice Your Net Skills.**

You and your partner are to join with another pair for the present exercise.

Your new group is to create an emergency net. You are to set up an NCS and at least three stations. You are to practice (in anticipation of an upcoming competition) the following:

- A. Establishing a net (this means designating an NCS and tactical call signs)
- B. Open the net (this means NCS has an “opening script.”)
- C. Having stations check in.
- D. Maintaining order and protocol on the net
- E. Passing the following messages correctly – using the appropriate priority for messages.

<b>Messages ( Five Minutes Total)</b>		
<b>Station 1- School</b>	<b>Station 2- Fire house</b>	<b>Station 3- Town hall</b>
1. Check In. One ham, 3 CERT, and the principal.	1. Check In. One ham, a five firemen and three police.	1. Check In. One ham, two CERT and 12 volunteers
2. Am about to lose power. Will be switching to back up power.. [Off the air]	2. Tree has fallen into the fire station. Fire truck is blocked in.	2. CERT team reports that supply of flashlights is low.
3. CERT reports flood waters running 6" deep in the street. No immediate danger	3. Fire Brigade Commander requests immediate help from City maintenance. Need a back loader to clear away debris.	3. CERT team reports that volunteer has fallen and sprained ankle. Request ambulance.
4. CERT reports extreme flood damage to building at 17 Elm Avenue.	4. CERT reports tree across road at 12 East 14th South in front of the Jones residence.	4. Volunteer is concerned about child at school (Station 1). Would like to arrange third party conversation with volunteer and school principal.
5. CERT reports heart attack victim at 24 EAST Sky-blue Lane. Male, age 38, name of I.M Baffled. Request ambulance and aid car.	5. Fire chief reports debris cleared–fire truck is now available.	5. A volunteer, Mrs. Brown, needs immediate transportation to her home. Her husband has become ill.
6. Check Out	6. Check Out	6. Check Out

Debrief:

1. What did you **do correctly** during this net?
2. What did you do that **needs improvement**?
3. Lessons learned? Insights?

## IV. Word and Number Protocol

### A. Standardization

#### 1. When to Use the ITU Phonetic Alphabet

- Use the Phonetic Alphabet **to clarify**--when the normal alphabet is **not** getting through
- Use the Phonetic Alphabet to clarify an unusual word or name. For example, when you are calling in a report involving a Mr. Smythe or Mrs. Kryznoski) insert the phrase “**I spell**” before spelling out the name.
- Use the phonetic alphabet sparingly: it may slow things down and add confusion
- The Phonetic Alphabet is most useful in a noisy HF SSB environment
- Do NOT use the phonetic alphabet **with** your FCC call sign in ARES operations.

#### Non- Example:

**This is Kilo Seven Delta Fox Zulu**

#### Correct Example:

**This is K7DFZ**

#### 2. The Correct Pronunciation of Numbers

- A pronunciation guide for numbers has been provided in Appendix I
- Pronounce individual digits, not hundreds, thousands, etc.
- 0 is zero, NOT “oh.”
- “Decimal” NOT “dot” or “point.”
- In LOARES operations. It is NOT necessary introduce a series of numbers with the word “*figures.*” This is a local rule.

#### 3. Use of Pro Signs / Pro Words

- Short for Procedural Signals / Procedural Words
- Used to control the procedure of sending messages
- They are not part of the message
- There are many ProWords used by many groups. Our local list has been summarized in **Figure 2**.

4. Time

- We use the 24-hour (military) system with local time. Either PST or PDT depending on the time of year.

5. Preset Tactical Calls

- We use the preset tactical call signs noted in **Figure 3**.

**Figure 3. LOARES Tactical Call Signs**

**Lake Oswego EOC** - The station serving the Lake Oswego EOC

**Main Station** - The station serving CERT at the Main Station

**Lake Oswego Net Control** - The station serving as net control for the Lake Oswego emergency response

**South Shore** - The station at the South Shore Fire Station

**Jean Road** - The station at the Jean Road Fire Station

**West Lake** - The station at the West Lake Fire Station

**Maintenance** - the station at the Lake Oswego Maintenance Shop

## Figure 2. Prowords Used by LOARES

Affirmative - Yes

Correction - An error was made. Correct version to follow immediately.

Disregard - The previous communication was in error

Decimal - The little dot in the numbers

Go ahead – Permission to transmit, send the next part of the message. This may need to include a call sign if more than one station is waiting to transmit.

I Say Again - I am repeating a previous transmission

Negative - No

Out - I have received your message. No further inquiry about it.

Ready to copy(?) - I am ready to copy / Are you ready to copy?

Say again word after X - Repeat the single word after X

Say again all after X - Repeat the portion of the message after X

Say again - Repeat your **entire** last transmission / communication

Speak slower - Slow down, I do not take short hand

Standby - Do not transmit. This may be to an individual station or a broadcast.

## Task Number 5: Words and Numbers

1. Within your net, practice sending and receiving the following messages.[This requires that someone serve as NCS]. In this instance, focus your practice on the correct use or application of:

- The Phonetic Alphabet
- Numbers
- Prosigns
- Time
- Tactical Call Signs

### Messages from Rosebud 1

- A. Mr. Klauswitz is trapped in a burning house at 34567009 Woodentree Lane.
- B. At 8:59 pm a car drove into a fire hydrant at 3450788 Wistful Vista. Water is shooting up 150 feet into the air.
- C. The CERT team ran out of batteries for their FRS radios. Need 206 pairs of double “A” batteries. Also need two 9.6 volt batteries.
- D. Mrs. Wan Sing Lo of 457089 SW Wannaseethat Lane needs to talk with (garbled)
- [garbled phrase: her daughter at the EOC.]
- E. A meteorite has just struck the K-Mart store in downtown Plainsville. Approximately (garbled) people are inside. First fire truck arrived at 12:50 PM. [ –the number garbled is 250- ]
- F1. Electrical power at this site is flickering on and off. Will switch to (Off the air).
- F2. Electrical power at this site restored.

G. The secondary antenna at this station just broke. Need 3.7 meters of number 10 copper wire to make repairs.

Debrief Task Number 5.

1. What did you **do correctly** during this net?
2. What did you do that **needs improvement**?
3. Lessons learned? Insights?

## Task Number 6: The Net Competition

Your net did so well in the preceding exercise, that you have been selected for the National Net Finals. Due to the unfortunate occurrence with the French judge in the recent Winter Olympics, we will not be using outside judges in this competition.

Instead, competing nets will judge one another.

### Here are the criteria:

- A. Establishing a net-- this means designating an NCS and tactical call signs
- B. Opening the net-- this means NCS has an “opening script.”
- C. Having stations check in.
- D. Maintaining order and protocol on the net
- E. Passing the following **information** correctly-- using the appropriate priority for messages, using appropriate protocol and concern for privacy.
- F. Closing the net (closing script and/or proper check out)

### Here is the scoring guide:

- |  |                 |
|--|-----------------|
| A. Establishing the Net  | (0 to 5 Points) |
| B. Opening the net (Script)  | (0 to 5 points) |
| C. Stations check in/Check out properly  | (0 to 5 points) |
| D. Maintaining order and protocol on the net   | (0 to 5 points) |
| E1. Passing the messages correctly-- using the appropriate priority for messages                           | (0 to 5 points) |
| E2. Passing the message correctly--using the correct Message protocol--e.g., pro-signs, pronunciation etc. | (0 to 5 points) |
| E3. Observing privacy and security aspects   | (0 to 5 points) |
| F. Closing the net   | (0 to 5 points) |
| G. Bonus points for any especially notable aspect  | (0 to 5 points) |

### Here Is The Scoring Formula

- 0 - No commendable actions or Not Observed
- 1 - Needs considerable improvement
- 2 - Needs some improvement
- 3 - Generally acceptable
- 4 - Commendable performance
- 5 - Outstanding performance

**Situation:**

An earth quake has just struck your town. All emergency personnel have been activated. Your town's ARES Net has also been activated.

Your net will consist of ARES members at:

A School — A Fire Station – The Town Hall – The EOC.

**You have five minutes in which to prepare.**

<b>Net A. Information ( Five Minutes Total)</b>		
Station 1- School	Station 2- Fire Station	Station 3- Town hall
<b>Check In.</b> Two hams, 39 CERT, and 104 faculty	<b>Check In.</b> One ham, three firemen and nine police	<b>Check In.</b> One ham, 22 CERT and 229 volunteers
CERT team reports extensive flood damage to all houses along 105th Ave between 24 <sup>th</sup> and 46 <sup>th</sup> South.	Fire truck was called out on direct line by EOC. Only one ham and five police present.	Power is flickering in town hall...will be switching to..... [off the air]
Principal reports that one student, Foo Ling You, has become ill. Need an ambulance immediately and need a third party conversation with parent who is on CERT team at Town Hall.	Policeman William Smith reports vandals roaming the 45 <sup>th</sup> block South on (garbled) [garbled: Ystrimpski street]. One victim, Mr. Alphonso Smythe , age 47 has a broken leg.	[off the air]
Message: Request more Red Cross volunteers at school. Need 50 dozen 3.5 inch bandages	Policeman reports a new fire at 1345007 SE 197035 Street. Three people trapped in upper stories. Send fire truck to that address.	Check in. Plus City maintenance crew reports extensive damage to town water supply. A 6.77 inch main broken. Municipal water supplies are contaminated. Advise EOC and Mayor
		City crews reporting flood damage to Steve Brown's home at 130097 So. Samarinskiville Lane.
<b>Check Out</b>	<b>Check Out</b>	<b>Check Out</b>

Debrief:

1. What did you **do correctly** during this net?
2. What did you do that **needs improvement**?
3. Lessons learned? Insights?

<b>Net B. Information ( Five Minutes Total)</b>		
Station 1- School	Station 2- Fire Station	Station 3- Town hall
<b>Check In.</b> One hams, 33 CERT, and 109 faculty	<b>Check In.</b> One ham, three firemen , five police and 109 frightened citizens	<b>Check In.</b> One ham, 12 CERT and 590 volunteers
CERT team reports fire damage to all houses along 195rd Ave between 204 <sup>th</sup> and 206 <sup>th</sup> North.	Fire truck out of commission. Losing power [off the air]	Power is flickering in town hall...will be switching to..... [off the air]
Principal reports that three students, have become ill. Need an ambulance immediately and need a third party conversation with the following parents who are at Town Hall. Al Stromboskivich Edith Morgantheaugh George G. Wiz	Check in. Policeman RJ Brown -Badge Number 7002 reports looters in the Mini Mart at the 45 <sup>th</sup> and (garbled) [garbled: Listrombergoff street]. The clerk, Mr. Alphonso Ystimski , age 47 is hiding in the locker..	[off the air]
Message: Request Parameds for car crash in front of school. Driver trapped. Need 1.5 inch slip joint wrench.	Policeman reports a new fire at 14367 NE 7035th Street. Two people trapped in basement. Send fire truck to that address.	<b>Check in.</b> Plus CERT Teams report extensive damage to sewer lines. A 23.75 inch pipe broken. Municipal water supplies are contaminated. Advise EOC and Mayor
	.	City crews reporting sewer damage to Bob Smith's home at 970031 So. Tonquerville Lane.
<b>Check Out</b>	<b>Check Out</b>	<b>Check Out</b>

Debrief:

1. What did you **do correctly** during this net?
2. What did you do that **needs improvement**?
3. Lessons learned? Insights?

<b>Net C. Information ( Five Minutes Total)</b>		
Station 1- School	Station 2- Fire Station	Station 3- Town hall
<b>Check In.</b> Two hams, 23 CERT, and 149 faculty	<b>Check In.</b> Two hams, 25 firemen ,10 police 19 CERT.	<b>Check In..</b> One ham, 49 CERT and 220 volunteers
CERT team reports extensive flood damage to all houses along 167th Ave between 204 <sup>th</sup> and 416 <sup>th</sup> South.	One Fire truck was called out on direct line by EOC. One fire truck remains. Only one ham , 5 firemen & 3 CERT present.	Lights in area are flickering ....will be switching to..... [off the air]
Principal reports that one student, Juan Too Manny, has become ill. Need an ambulance immediately and need a third party conversation with parent who is on CERT team at Town Hall.	Policeman Smith reports looters roaming the Block 15 West on (garbled) [garbled: Yskilampsi street]. Two victims, twins, named Heckle and Jeckle Toon, ages 15 have severe burn injuries and need an ambulance.	[off the air]
Message: Principal requests more Red Cross volunteers at school. Need 150 pairs of 2.7 mil latex gloves. Also need 4.9 inch socket wrench immediately.	Policeman reports a house collapsed at 100797 NW 10097 Street. Three people trapped in basement. Send rescue crew to that address.	<b>Check in.</b> Plus Utility crews report extensive damage to town power supply. A 78.905 KW transformer is out. Power will not be restored in all areas for 12 hours. Advise EOC and Mayor
		City crews reporting flood damage to Margaret Samuelson's home at 100370 So. Watchamacallit Lane.
<b>Check Out</b>	<b>Check Out</b>	<b>Check Out</b>

Debrief:

1. What did you **do correctly** during this net?
2. What did you do that **needs improvement**?
3. Lessons learned? Insights?

## Warm Up Exercise

You are part of the Mirror Lake Emergency Net

Your net will be activated shortly.

You are Mirror Lake One...Use your own FCC call sign.

1. Check In
2. Deliver the following information:

Mr. Arlyn H. Smith of 112496 Broad Street was the victim of a severe wasp attack. He needs **immediate** transportation to the hospital.

## Warm Up Exercise

You are part of the Mirror Lake Emergency Net

Your net will be activated shortly.

You are Mirror Lake TWO...Use your own FCC call sign.

1. Check In
2. Deliver the following information:

Mrs. Ivan Shopping of 2349 Broadway has lost her car keys. Her car –a pristine blue 97 Toyota with an expensive sound system --is blocking the intersection of Wait and See Streets. Emergency traffic cannot get through.

## Warm Up Exercise

You are part of the Mirror Lake Emergency Net

Your net will be activated shortly.

You are Mirror Lake Three...Use your own FCC call sign.

1. Check In

2. Deliver the following information about ninety seconds after the net has been activated:

Sheriff Deputy Barney Fife reports a fire at the ADACALORIE Donut Shop on Adkins Boulevard. There is danger that the fire will spread to three other buildings in the block. Please send fire equipment immediately.

## Warm Up Exercise

You are part of the Mirror Lake Emergency Net

Your net will be activated shortly.

You are Mirror Lake Four...Use your own FCC call sign.

1. Check In

2. Deliver the following information.

The CERT TEAM reports that there were NO (0) casualties when the roof blew off the boarding house—though rumors were flying.

The CERT Team also needs nine dozen new 1.5 volt batteries.

## Warm Up Exercise

You are part of the Mirror Lake Emergency Net

Your net will be activated shortly.

You are Mirror Lake 5...Use your own FCC call sign.

1. Check In
2. Deliver the following information:

The Mayor wants to speak with Mr. Larry Goff at the EOC. Would you please arrange that?

I have the Mayor right here. Go ahead Your Honor.

## Warm Up Exercise

You are part of the Mirror Lake Emergency Net

Your net will be activated shortly.

You are Mirror Lake 6...Use your own FCC call sign.

1. Check In
2. Deliver the following information:

The hydrant has broken at 4569 Wyandott Circle. Water is nine inches deep in the street. Need repair crew as soon as possible.

## Warm Up Exercise

You are part of the Mirror Lake Emergency Net

Your net will be activated shortly.

You are Mirror Lake 7...Use your own FCC call sign.

1. Check In
2. Deliver the following information:

A tree has partially fallen in Brooklyn Court. Mrs. Peggy Ann Garner is the home owner. The tree is only slightly blocking the road, but it threatens a power line. Send emergency crew. No injuries or property damage so far.

## Warm Up Exercise

You are part of the Mirror Lake Emergency Net

Your net will be activated shortly.

You are Mirror Lake 8...Use your own FCC call sign.

1. Check In
2. Deliver the following information:

Mr. Sam Spade –who resides at 1942 Greenstreet–reports the theft of a valuable statue of a bird. The statue is about 12 inches tall. The thief was seen driving away in a Lorrie. An investigative team is needed.

## Warm Up Exercise

You are part of the Mirror Lake Emergency Net

Your net will be activated shortly.

You are Mirror Lake 9...Use your own FCC call sign.

1. Check In
2. Deliver the following information about three minutes after the net has been activated.

Twelve firemen on the scene at the Donut Shop. The Fire Chief requests additional equipment and supplies. They need (garbled) feet of Number Nine hose and 4 more aspirations. (Garbled number is 100)

## Warm Up Exercise

You are part of the Mirror Lake Emergency Net

Your net will be activated shortly.

You are Mirror Lake 10...Use your own FCC call sign.

1. Check In
2. Deliver the following information:

Status: All radio equipment at this location is on emergency power.  
We.....(off the air).  
(Back on the air).

Check in. We need five gallons of gasoline delivered to this site to run the emergency equipment.

## Warm Up Exercise

You are the Net Controller for the Mirror Lake Emergency Net

Use your script to open the net and then take at least one call from each station on the net.

**A. Salutation:** Good\_\_\_\_\_. This is (Your FCC Call Sign).  
My name is\_\_\_\_\_, Net Control for the Mirror Lake Emergency Net.

**B. Purpose:** This net is being activated in response to  
(\_\_\_\_(*emergency weather conditions in the Mirror Lake area*)\_\_\_\_\_).  
The purpose of this net will be to pass message, bulletins and information to the members of the Net, to stations based in (XYZ) County, to Served Agencies and to other Net participants.

**C. Emergency Traffic:** Emergency Traffic will be handled at any time.  
Do we have any Emergency Traffic? Please give me your call.

**D. Net and Net Check In:** This is a directed net.  
All stations are requested to check in now.

### Stations Check In

#### **D. Acknowledgment:**

This is Net Control. The following stations have checked in:

(Read back the list of stations that have checked in.)

Any Additional Stations? Please check in now.

## **E. Begin Net Activities.**