



EYEWARN



Disaster Information Gathering Net

"We report what we see from where we are"

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Subjects

- **The EYEWARN Project**
- **Background**
- **Who we are and What we do**
- **Our EYEWARN Net**
- **EYEWARN relationship to ARES/ACS groups**
- **What is the EYEWARN SITREP?**
- **2016 Activities and Events**
- **What is in 2017?**



The EYEWARN Project

- This was a collaborative effort started in 2015 between the EC of CCARES and the EM of the Clark Regional Emergency Agency (CRESA).
- This objective was to engage the Ham radio operators throughout the county, unaffiliated to an organized EMCOMM group, to assist with Situation Reports (SITREPs) that expand the situational awareness of the CRESA Planning/Situation unit with infrastructure damages and injuries in the county.



Background

- There are well over 1700 amateur radio operators in Clark County Washington.
- About 100 belong to the local Amateur Radio Emergency Service (ARES/RACES) group.
- In a disaster, that would leave potentially over 1600 Radio operators available to provide visual (eyes on the ground) reporting in areas where damages or injuries have occurred.



Who we are and What we do

- EYEWARN is a group of trained amateur radio volunteer Net Control Stations, coordinating a disaster reporting service for those Ham radio operators that choose to report damages or injuries
- We **‘Report what we see from where we are’**
- We do not deploy (and become part of the problem)
- We help save lives and protect property



Our EYEWARN Net

- 10 trained Net Control Stations
- Net Script
- Common actual event or exercise script
- Poll stations by county zip codes (21)
- Receive situation reports based on request
- NCS compiles information received
- NCS sends SITREP to EOC for processing



EYEWARN Net Script

EYEWARN Net Control Station (NCS) Script

Any Net Control Station operator can self-activate the EYEWARN Net in the event of a natural or man-made disaster where situational information gathering is desired for emergency management to determine the allocation of responding resources. Large scale disasters should be obvious, but a brief reason for the net should be given.

If it is a training net indicate it as such below, choose a scenario and associated questions. In the event either or both repeaters are inoperative, choose one of the simplex frequencies.

*When conducting a **simplex** training net, make an announcement 5-10 mins - prior to net start on the -147.24 – repeater. “QST..Tonight’s EYEWARN net at 7:30 will be a Simplex Check In on 146.43” [Or the alternate chosen simplex frequency]. “At this time - All stations – please QSY to 146.43. This is [call sign]”*

QST... QST... QST... This is _____ Net Control Station for the Clark County Amateur Radio Club EYEWARN Disaster Information Gathering *[training]* Net.

Read any announcements here.

This Directed Net is to receive visual situation reports from any, and all, available Clark County Amateur Radio operators.

This net gathers information about Clark County significant infrastructure failures and/or local damages related to *[incident/exercise scenario & questions, if any]*:

This net is operating on *[choose relevant one]*:

- a. The W7AIA 147.240 repeater that *[is not/is linked]* to the 443.125 repeater
- b. Simplex using *[pick one]*

2M Primary Simplex	146.43
2M Secondary Simplex	146.56
440 Primary Simplex	445.975

In the event of an emergency, contact 9-1-1

Calling for EYEWARN Net Control Stations or EYEWARN Relay Stations only. Check in with your zip code, call sign phonetically, and state if you have an operational telephone.

For extended net operations, and if other NCS stations check in, proceed with the following: coordinate with other NCS stations to assume NCS duties for as many shifts as feasible with the operators available. Optimum shift is 2 hours, up to 3 hours. Set up a time for next operator to assume NCS duties. Each NCS will accomplish this when starting their shift. Before the initial EYEWARN roll call by zip code, make a brief announcement on simplex frequencies 146.52 and 446.00 announcing the EYEWARN net is in progress on the repeater or simplex frequency. If an alternate NCS operator is available during your shift, ask the alternate to make this announcement at 15-30 minute intervals. After the initial zip code roll call, repeat on the hour and half hour throughout your shift.

_____, you are designated as the alternate NCS.

The net is now open. Calling for station reports by Clark County Area Zip Codes. I repeat... roll call is by Zip Code. Stations from Zip Codes not identified will be called at the end of the Zip Code roster. If you miss checking in when your Zip Code is called, wait until the end of the roll call to check in. We may repeat the zip code list for missed stations and stations requesting a relay. This is another opportunity to check in.

When you check in give your Zip Code first, then your call sign phonetically, then the location and a brief description of the type of damage observed; for example, Roads, Bridges, Schools, Hospitals, Power lines, Cell towers, etc. If you have previously reported damage and there has been no change, it is not necessary to check in again. If we need more information, we will call you back.

Reminder: Identify your call sign every 10 minutes..

Calling for stations from the following Zip Codes:

__98601 __98603 __98604 __98606 __98607 __98629 __98642 __98660 __98661
__98662 __98663

Repeat the type of information requested. [This is an exercise]



EYEWARN



In Clark County

Net every Wednesday @ 19:30

147.240 PL94.8 (Primary)

443.125 PL94.8 (linked to)

146.430 Simplex



EYEWARN relationship to ARES/ACS groups

- In Clark County, primary ARES tasking is to support first responding agencies (fire/law enforcement/medical) in the county. The EOC EM determines where they are needed. They may also be called upon to support other institutions.
- EYEWARN self-activates early in the event and collects county wide situational information for the EOC.
- There is an ARES team inside the EOC to take the SITREP when only radio comms is working.



What is the “EYEWARN SITREP”?

EYEWARN Situation Report (SITREP)

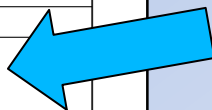
Msg.# _____ PRECEDENCE: _____ TIME FILED: (local) _____ DATE: _____
(E=Emergency P=Priority R=Routine W=Welfare)

TO: EOC Situation Unit LOCATION: CRESA

NCS: _____ LOCATION: _____

— This is an exercise message.

1. Date/Time:	2. Report Type: Initial <input type="checkbox"/> Update <input type="checkbox"/> Final <input type="checkbox"/>	3. Activation Type: <input type="checkbox"/> Self-Activation <input type="checkbox"/> CRESA Activation	4. Mission Number (if known):
5. Type of Incident:			
6. Total number of zip codes reporting:			
7. Total Check-ins:			
8. Question(s):			
9. Infrastructure Damage:			
B = Bridge(s):			
C = Cell Tower(s):			
H = Hospital(s):			
P = Power Line(s)/Tower(s):			



Radio information

General event information

Infrastructure Damage

B = Bridges

C = Cell Towers

H = Hospitals

P = Power Lines & Towers

EYEWARN Situation Report (SITREP)



What is the “EYEWARN SITREP”?

R = Roads

S= Schools

10. Other Local Damage



EYEWARN Situation Report (SITREP)

R = Road(s):	
S = School(s):	
10. Other Local Damage:	

This is an exercise message.

Relay Operator: _____ Rcv'd: ____:____ Sent ____:____ / (24 hr.)
Radio Operator: _____ Rcv'd: ____:____ (24 hr.)

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EYEWARN Situation Report (SITREP)

What is the “EYEWARN SITREP”?

- The Instruction Sheet

EYEWARN Situation Report (SITREP)

Instructions for filling out this form

Field	Expected Information
MSG #	Sequential number for message log
Precedence:	Indicate whether message is E=Emergency, P=Priority, R=Routine, or W=Welfare
TIME FILED:	Enter the time the message was created
DATE:	Enter local date
TO:	“CRESA - EOC Situation Unit”
LOCATION:	“CRESA - Planning Section”
NCS:	Name and call sign of EYEWARN NCS Sending the SITREP
LOCATION:	“CRESA”
This is an exercise message	<i>Check this box for an exercise message</i>
1. Date/Time:	Enter local date and local 24 hr time
2. Report type:	Check the appropriate box for Initial, Update or Final
3. Activation Type:	Check the appropriate box, Self-Activation or CRESA Activation
4. Mission Number:	Enter the EMD mission number if a CRESA activation
5. Type of Incident:	Use types identified in EYEWARN Policy Document
6. Total number of zip codes reporting:	Enter number of zip codes reporting
7. Total Check-ins:	Enter total number of check ins less NCS operators
8. Question(s):	Enter questions asked on net
9. Infrastructure Damage:	Infrastructure Damage collected
10. Other Local Damage:	Enter any other damage information collected not covered elsewhere
This is an exercise message	<i>Check this box for an exercise message</i>
Relay Operator and call sign:	Enter name and call sign of message relay operator
Sent/Rcvd:	Enter local time message received and sent
Receiving Radio Operator:	Enter name and call sign of operator receiving message
Sent/Rcvd:	Enter local time message received

Note: When sending the report via radio only say the line numbers and not their title.

EYEWARN Situation Report (SITREP)



2016 Activities and Events

- 50 nets a year
- **CASCADIA RISING (CR-16)**
 - Operated five (5) nets over a two day period
 - Reported 81 incidents (injects from the MSEL). These included damages to major infrastructure and injury information.
 - Experienced interference from a Clackamas County ARES net. We moved our primary simplex frequency.
- Created an [EYEWARN Video](#)



Promoting EYEWARN

- Program Trifold
- EYEWARN YouTube Channel
 - EYEWARN Video
 - <https://www.youtube.com/watch?v=GslzjRlahQA&feature=youtu.be>
- Refrigerator Magnets
- Helping with other club EYEWARN programs



EYEWARN Refrigerator Magnet



WA Clark County Amateur Radio Club

Open to all Radio Amateurs

Nets on Wednesday at
7:30pm

Operating on 147.240+ 94.8
PL

For more information:
www.w7aia.org/eyewarn.htm
eyewarn@w7aia.org



What's Ahead in 2017

- **Training NCS Operators - YouTube video**
- **Local publicity**
- **Helping other club develop EYEWARN programs**



Questions?

For more information go to
www.eyewarn.net

