# Centralia Amateur Radio Emergency Services - Roster

| Name | Callsign | Home | Work | Cell |
|------|----------|------|------|------|
| Bob (EC) | KD7OWN | 360-736-9633 | | 360-878-0543 |
| Lyle (AEC) | KB7PI | 360-807-4374 | | 360-280-5714 |
| Chuck (AEC) | W5KAV | | | 253-951-3945 |
| James | AE7TF | 360-557-6234 | | 360-623-5366 |
| Bill (AEC) | N7GWK | 360-807-5257 | 360-736-1139 | 360-324-0231 |
| Ricardo | KE7YYY | | | 360-827-0555 |
| Evelyn | KE7ACI | 360-807-1350 | | 360-508-9411 |
| Gil | N7PRJ | 360-736-8636 | | |
| Carol | KE7YZB | | | 360-827-0342 |
| Loyann | W7LOY | | | 360-880-4507 |
| Jim | K7CEX | | | 360-508-8437 |
| Cheryl | KF7TDB | | | 360-250-4103 |
| Micah | KF7GKZ | 253-528-3277 | 360-330-7512 | 253-653-0452 |
| Mickey | KG7CAH | | | 360-827-4241 |
| Frank | KF7RSI | 360-864-4735 | | 253-678-9730 |
| Russ | W7HFB | 360-736-2064 | | 360-880-6604 |
| Kevin | KI7KKS | 360-740-5382 | | 360-261-3222 |
| Marvin | N6XML | | | 916-332-1727 |
| John | AD6KT | 360-736-2478 | | |
| Paul | KE7PCB | | | 360-551-4006 |
| Alex | KI7PAZ | 360-556-2821 | | 360-523-3276 |
| James K | N7LOY | 360-562-5007 | | |
| Skip | K1HEK | 360-523-8085 | | |
| Scott | W7SGD | 360-455-5443 | | 559-804-1851 |
| Rich | KI7TZZ | 360-402-1829 | | |

Updated: 5-1-2018

## Riverside Fire Authority - Fire Hams

| | | | |
|---|---|---|---|
| KG7AQJ | Jade Gross | KG7JJV | Lee Hammons |
| KG7GQK | Mike Tomasheck | KG7JJY | John Paul Blum |
| KG7GQL | Casey McCarthy | W7TCW | Tom Wiswell |
| KG7GQM | Jonathan Akers | WA2PPG | Pete Stoeckler |
| KG7GQO | Mark Dixon | | |
| KG7GQP | Chris Porter | | |
| KG7GQQ | Les Mauel | | |
| KG7GQR | Ed Mund | | |
| KG7GQS | Dan Stine | | |
| KG7GQT | Mike Kytta | | |
| KG7GQU | Cheryl Blum | | |
| KG7GQV | Diane Kytta | | |
| KG7GQW | Tim Adolphsen | | |
| KG7GQX | Jerry Blum | | |
| KG7GQY | Brian Thompson | | |
| KG7GQZ | Lewis Danforth | | |

# Centralia ARES,  Law & Fire Scanner Frequencies -  (Receive Only)

| | |
|---|---|
| Centralia Police Department | 156.180 (scan only) |
| Washington State Patrol | 155.850 (scan only) |
| Lewis County Sheriffs Office (West) | 155.625 (scan only) |
| Riverside Fire Authority (Dispatch Freq) | 154.97250 (scan only) |
| Riverside Fire Authority (Ground Freq) | 154.325 (scan only) |
| Riverside Fire Authority (REDNET) | 153.830 (scan only) |

## Centralia Amateur Radio Emergency Services Frequencies: - (TX & RX)

| | |
|---|---|
| K7CEM  ARES  Repeater | 145.490 -600 offset, PL Tone 110.9 |
| BawFaw Repeater: | 147.060 +600 offset, PL Tone 110.9 |
| Capitol Peak Repeater: | 145.470 -600 offset, PL Tone 100.0 |
| CVARS Repeater: | 145.430 -600 offset, PL Tone 110.9 |
| Centralia ARES #1: | 146.540 simplex |
| Centralia ARES #2: | 146.460 simplex |
| Centralia ARES #3: | 145.670 simplex |
| K7CEM 440 Repeater: | 442.050  PL (447.050 offset) PL Tone 110.9 |
| 440 #2 : | 446.000 Simplex |
| 440 #3: | 445.800 Simplex |
| Transmitter Hunt: | 146.565 Simplex |

## Amateur Radio/Law Enforcement & Fire Phonetic Alphabets

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| A | Alpha / Adam | J | Juliet / John | S | Sierra / Sam | | |
| B | Bravo / Boy | K | Kilo / King | T | Tango / Tom | | |
| C | Charlie / Charles | L | Lima ./ Lincoln | U | Uniform  / Union | | |
| D | Delta / David | M | Mike / Mary | V | Victor / Victor | | |
| E | Echo / Edward | N | November / Nora | W | Whiskey / William | | |
| F | Foxtrot / Frank | O | Oscar / Ocean | X | X-ray / X-ray | | |
| G | Golf / George | P | Papa / Paul | Y | Yankee / Young | | |
| H | Hotel / Henry | Q | Quebec / Queen | Z | Zulu / Zebra | | |
| I | India / Ida | R | Romeo / Robert | | | | |

Centralia Amateur Radio Emergency Services - Radio Locations

**Centralia City Hall (EOC):** 118 W. Maple Street, Centralia.  P.O. Box 609, Centralia 98531
Door code – hallway door 2nd floor:  0609          Phone Number:  360-623-1373
Door code – EOC door (key box): 301

**Mellen Street Police / Fire Training Facility:** 1401 Mellen Street, Centralia
Gate key box: 301

**Riverside Fire Station #1:** 512 N. Pearl Street, Centralia
Phone:  360-330-9856
Entry code: push buttons 4 and 3 together, then push button 2

**Riverside Fire Station #2 (Alternate EOC):** 1818 Harrison Avenue, Centralia
Phone:  360-736-3975
Entry code: push buttons 4 and 3 together, then push button 2

**Riverside Fire Station #5:** 3715 Cooks Hill Road, Centralia
Phone:  360-736-3728
Entry code: push buttons 4 and 3 together, then push button 2

**Riverside Fire Station #6:** 2237 Lincoln Creek Road, Centralia
Phone:  360-807-8719
Amateur Radio Box Code:  2237
Entry code: push buttons 4 and 3 together, then push button 2

## Locations & Phone Numbers

**911 Center:  (non emergency phone number):**                 **360-740-1105**
Centralia Emergency Operations Center                          360-623-1373
Centralia Police Department: 118 W. Maple Street, Centralia    360-736-7500
Centralia Street Shop & Maintenance:                          360-623-1899
Lewis County Sheriffs Office:  345 West Main Street, Chehalis 360-748-9286
Mellen Street Police / Fire Training Facility: 1401 Mellen Street
National Weather Service (Seattle):                           206-526-6087
Puget Sound Energy (GAS)                                      888-225-5773
Providence Hospital:  914 Scheuber Road, Centralia            360-736-2803
Red Cross:  1817 S. Market Street, Chehalis                   360-748-4607
Riverside Fire Authority Station #1:  512 N. Pearl Street, Centralia  360-330-9856
Riverside Fire Authority Station #2:  1818 Harrison Avenue, Centralia 360-736-3975
Riverside Fire Authority Station #5:  2815 Cooks Hill Road, Centralia 360-736-3728
Salvation Army Church:  303 N. Gold Street, Centralia         360-736-4339
Washington State Emergency Operations Center:                253-740-1151
Washington State Patrol:  850 Louisiana, Chehalis            360-748-2194
West Thurston Regional Fire Authority:  10828 Littlerock Road SW, Olympia  360-352-1614

# Centralia Amateur Radio Emergency Services - Helicopter Landing Zones

| | Location | Address / Directions |
|---|---|---|
| 1. | Centralia Providence Hospital | 914 Scheuber Road |
| 2. | Open field | Across from fairgrounds 1800 Blk S. Gold St. |
| 3. | Open field | Across from LeDuc's, 1417 Kreskey Ave. |
| 4. | Washington School | 800 Field Street – back field |
| 5. | Oakview School | 201 Oakview Street – back field |
| 6. | Open field | Across from 418 Downing Street |
| 7. | Open field | Across from 2206 N. Pearl Street |
| 8. | Soccer field | Near Borst Park boat launch – rear of park |
| 9. | Dick's brewery | 3516 Galvin Road – behind & across Steelhammer Ln. |
| 10. | Fords Prairie School | 1620 Harrison Avenue  -  back field |
| 11. | Centralia High School | 813 Eshom Road  -  back field |

Landing Zone Latitude/Longitude & GPS Locations

| Site | Lat/Long: | GPS: | Comments: |
|---|---|---|---|
| **1.** | N 46 deg 42.701 min<br>W 122 deg 59.143 min | N 46.703244<br>W 122.983994 | Lighted LZ & windsock on blg. N of LZ<br>Elevation ASL:  242 ft. |
| **2.** | N 46 deg 41.601 min<br>W 122 deg 57.427 min | N 46.686116<br>W 122.951977 | Power lines & fair buildings to west<br>Elevation ASL:  177 ft. |
| **3.** | N 46 deg 41.987 min<br>W 122 deg 57.191 min | N 46.687903<br>W 122.950681 | Low power lines South of LZ<br>Elevation ASL:  183 ft. |
| **4.** | 46 deg 42.470 min<br>W 122 deg 57.147 min | N 46.702176<br>W 122.95 | School bldgs.W & NW of LZ. Trees<br>Elevation ASL:  187 ft. |
| **5.** | N 46 deg 44.640 min<br>W 122 deg 57.053 min | N 46.736296<br>W 122.95 | Sports Equip / soccer cages on field<br>Elevation ASL:  210 ft. |
| **6.** | N 46 deg 45.223 min<br>W 122 deg 56.590 min | N 46,751162<br>W 122.936065 | Power lines East of field<br>Elevation ASL:  216 ft. |
| **7.** | N 46 deg 44.611 min<br>W 122 deg 59.175 min | N 46.736162<br>W 122.95081 | Low power lines E of field along Hwy.<br>Elevation ASL:  222 ft. |
| **8.** | N 46 deg 43.245 min<br>W 122 deg 59.175 min | N 46.717801<br>W 122.95081 | Some sports equip may be on field<br>Elevation ASL:  153 ft. |
| **9.** | N 46 deg 44.053 min<br>W 123 deg 00.096 min | N 46.733579<br>W 122.000444 | 2 story bldg W of LZ with large Satellite dishes<br>Elevation ASL:  163 ft. |
| **10.** | N 46 deg 44.065 min<br>W 122 deg 59.207 min | N 46.733634<br>W 122.984292 | School bldgs NW of LZ.  Trees to N/NE<br>Elevation ASL:  186 ft. |
| **11.** | N 46 deg 43.564 min<br>W 123 deg 00.240 min | N 46.719278<br>W 123.001111 | School bldgs NE of LZ. Sports equip on fields<br>Elevation ASL: Unknown |

## Helicopter Landing Zone Procedures

**LZ Selection:**
- 15'x15' landing gear touchdown area
- 100'x100' day/night Landing zone area
- 200'x200' perimeter for bystanders
- Clear of obstructions & overhead wires
- Less than 10 degree slope
- Grass or weeds no more than knee high
- Roadway, school, parking lot or field
- Use ARES pre-selected LZ if appropriate
- Identify Lat/Long center of LZ if possible
- Clear loose debris & unsecured materials

**Tactical Call sign (ground): "LZ Command"**
**Helicopter Call Sign: "Airlift"**
**Frequencies: Rednet or V TAC 11**

**LZ Briefing / Description:**
- Note overhead wires, light standards, radio towers, fences, tall trees, flag poles, obstructions or other hazards
- Note surface winds and visibility

**Daytime LZ Setup:**
- Determine four corners of LZ & mark with orange traffic cones
- Traffic flares may be used if no fire danger
- Determine wind direction & speed (light, variable, gusting) - (helicopter will land into the wind where possible)
- Identify hazards & prepare pilot briefing

**Nighttime LZ Setup:**
- Flight crew will be using night vision goggles
- Determine four corners of LZ & mark with orange traffic cone topped with FRED lights
- Determine wind direction & speed (light, variable, gusting). Set two FRED lights just outside perimeter to indicate direction wind is coming from.
- No white strobe lights at night
- Headlights pointing at LZ must be turned off during landing & take off to protect air crew's nighttime vision.
- Do not spotlight overhead hazards but identify
- all hazards for pilot briefing.

**Communications:**
- Notify pilot when you hear aircraft approaching
- Notify pilot when you have aircraft in sight
- Brief aircrew prior to landing
- Maintain continuous radio contact thru landing

**LZ Briefing Example:**
"Airlift, this is LZ Command

The landing zone is a (roadway, school, parking lot, field) surrounded by (street, trees, buildings, fences) approximately (dimensions) marked by (orange strobes, cones, flares, lights).

Obstacles and hazards in the area are (wires, light standards, radio towers, flag poles, fences, tall trees) to the (north, south, east, west)

Surface winds are (calm, light, variable, strong, gusting) from (north, south, east, west)

Clearest path of approach is from the (direction)."

**Safety Considerations:**
- **Helicopters are dangerous – have an escape plan & know where to run.**
- **During landings & takeoffs, continually monitor aircraft for signs of danger.**
- Wear eye & ear protection. Keep vests zipped
- Do not approach the helicopter until the rotor blades have stopped and pilot signals it is ok to approach.
- Approach helicopter only from the front, once directed by flight crew.
- Do not walk around the tail, even when the aircraft is shut down.
- No one may approach aircraft after engine start
- Re-establish radio contact with pilot and confirm the LZ is secure.
- Review known hazards with pilot via radio communications before aircraft departure.
- Maintain LZ security & light restrictions at all times.
- **Notify the pilot immediately if an unsafe situation develops.**

**Flood Phase Descriptions & Levels**
**Chehalis, Skookumchuck and Newaukum Rivers**

| River: | Phase 1 (begins at:) | Phase 2 | Phase 3 | Phase 4 |
|---|---|---|---|---|
| Chehalis @ Mellen St. | 65.0 ft | 68.5 ft | 72.0 ft | 73.4 ft |
| 2007 flood: 74.78 ft | | | | |
| 1996 flood: 74.31 ft | | | | |
| 1990 flood: 73.50 ft | | | | |
| 1986 flood: 71.99 ft | | | | |
| | | | | |
| Skookumchuck @ Pearl | 83.2 ft | 85.2 ft | 86.9 ft | 87.4 ft |
| 1996 flood: 87.27 ft | | | | |
| 1990 flood: 87.10 ft | | | | |
| 1991 flood: 86.68 ft | | | | |
| 1972 flood: 86.60 ft | | | | |
| | | | | |
| Newaukum @ Chehalis | 9.1 ft | 10.6 ft | 18.4 ft | 19.8 ft |
| 1996 flood: 13.54 ft | | | | |
| 2007 flood: 13.45 ft | | | | |
| 2006 flood: 13.00 ft | | | | |
| 1986 flood: 12.76 ft | | | | |

**City of Centralia - Sandbag Locations**

1. Harrison Square Presbyterian Church – 1227 Harrison Avenue, behind Bill and Beas hamburger stand.

2. Center Street at North Pearl Street (One block north of City Hall)

3. North Pearl Street at Reynolds Avenue interchange. (Northeast corner in vacant lot)

4. Summa Street between Tower Avenue and Gold Street (East side of Burlington Northern railroad tracks at cement plant)

5. Centralia Medical Center – 1800 Cooks Hill Rd. (in parking lot next to Cooks Hill Rd)

Duties: Monitor sandbag location. You will not be required to fill sandbags or check to be sure if those taking sandbags are Centralia residents. If any theft occurs, copy license number and contact EOC by radio with vehicle description. If possible, keep count of how many citizens come to the site and receive sandbags and inform EOC when sand levels running low and need replacing.

# Weather Advisories, Watches & Warnings

**<u>Advisory</u>** – Less serious conditions that can cause significant inconvenience, and if caution is not exercised, could lead to situations that may threaten life and/or property.

**<u>Watch</u>** – The risk of hazardous flood or weather conditions have increased, but its occurrence, location, and/or timing is uncertain. It is usually issued 12 to 36 hours prior to the potential weather event. A "*watch*" is intended to provide enough lead time so those who need to do so, can set emergency plans in motion.

**<u>Warning</u>** – When hazardous flood or weather conditions are occurring, are imminent, or have a very high probability of occurrence. A "*warning*" is typically issued within 12 hours of a life or property – threatening event.

### Centralia ARES – Time Conversion Chart

| UTC Time | Local Pacific Standard Time – Winter (subtract 8 hours from UTC time) | Local Pacific Daylight Saving – Summer (subtract 7 hours from UTC time) |
| --- | --- | --- |
| 1:00 AM | 5:00 PM (night before) | 6:00 PM (night before) |
| 2:00 AM | 6:00 PM (night before) | 7:00 PM (night before) |
| 3:00 AM | 7:00 PM (night before) | 8:00 PM (night before) |
| 4:00 AM | 8:00 PM (night before) | 9:00 PM (night before) |
| 5:00 AM | 9:00 PM (night before) | 10:00 PM (night before) |
| 6:00 AM | 10:00 PM (night before) | 11:00 PM (night before) |
| 7:00 AM | 11:00 PM (night before) | Midnight (night before) |
| 8:00 AM | Midnight (night before) | 1:00 AM |
| 9:00 AM | 1:00 AM | 2:00 AM |
| 10:00 AM | 2:00 AM | 3:00 AM |
| 11:00 AM | 3:00 AM | 4:00 AM |
| Noon | 4:00 AM | 5:00 AM |
| 1:00 PM | 5:00 AM | 6:00 AM |
| 2:00 PM | 6:00 AM | 7:00 AM |
| 3:00 PM | 7:00 AM | 8:00 AM |
| 4:00 PM | 8:00 AM | 9:00 AM |
| 5:00 PM | 9:00 AM | 10:00 AM |
| 6:00 PM | 10:00 AM | 11:00 AM |
| 7:00 PM | 11:00 AM | Noon |
| 8:00 PM | Noon | 1:00 PM |
| 9:00 PM | 1:00 PM | 2:00 PM |
| 10:00 PM | 2:00 PM | 3:00 PM |
| 11:00 PM | 3:00 PM | 4:00 PM |
| Midnight | 4:00 PM | 5:00 PM |

## ARES Windshield Survey – <u>Earthquake Situations</u>
### (Report below listed unusual earthquake / disaster conditions to EOC via ARES net)

- ☑ General disaster conditions
- ☑ Damaged or collapsed building
- ☑ Roadways needing barricades
- ☑ Moved or stolen barricades
- ☑ Collapsed or damaged bridges / overpasses
- ☑ Reports of citizens trapped in homes/businesses
- ☑ Fires or explosions
- ☑ Downed power lines
- ☑ Shelter locations/ conditions / needs
- ☑ Fast flowing water (dike or dam breaks)
- ☑ Looting or suspicious persons
- ☑ Possible HazMat situations
- ☑ Available helicopter landing zones
- ☑ Food, Water or support requests from citizens
- ☑ Earthquake aftershocks
- ☑ Established food / water distribution points

- ☑ Earthquake damaged roadways
- ☑ Roads blocked with debris
- ☑ Broken water / gas mains
- ☑ Restricted area violations
- ☑ Dead bodies (human or animal)
- ☑ Requests to turn off power / gas at homes
- ☑ Loose livestock in roadway
- ☑ Wide spread power outages
- ☑ Medical assistance needs
- ☑ People requesting rescue
- ☑ Citizens volunteering road clearing equipment
- ☑ TV / news reporting scenes
- ☑ Sink holes
- ☑ National Guard conditions / needs
- ☑ Active CERT team locations
- ☑ Red Cross stations or vehicle locations

### REMEMBER!
<u>YOU</u> are the eyes and ears of the Emergency Operations Center
Act professionally….Communicate professionally

## ARES Windshield Survey – <u>Flood Conditions</u>
### (Report any of the following unusual conditions to EOC via ARES net)

- ☑ General flood conditions
- ☑ Water depth over roadway
- ☑ Roadways needing signs or barricades
- ☑ Moved or stolen barricades
- ☑ Dangerous floating debris
- ☑ Occupied vehicles stranded in water
- ☑ Animals stranded by rising water needing rescue
- ☑ Downed power lines
- ☑ Shelter locations/ conditions / needs
- ☑ Dike breaches
- ☑ Looting or suspicious persons
- ☑ Collapsed / damaged buildings
- ☑ Sandbag needs (may not be able to help)
- ☑ Food, water or support requests from citizens
- ☑ Water / gas main rupture
- ☑ Lost / stranded semi truck & trailers

- ☑ Blown electrical transformers
- ☑ Roadways needing to be closed
- ☑ Washouts due to flowing flood water
- ☑ Restricted area violations
- ☑ Dead animals
- ☑ Unattended children in or near flood waters
- ☑ Loose livestock in roadway
- ☑ Wide spread power outages
- ☑ Medical assistance needs
- ☑ People requesting rescue
- ☑ Citizens volunteering boats / support equip.
- ☑ TV / news reporting scenes
- ☑ Sandbag station requests / needs
- ☑ National Guard conditions / needs
- ☑ Active CERT team locations
- ☑ Red Cross stations or vehicle locations

# SKYWARN Wind Speed Chart

| MPH | Wind Effects |
|---|---|
| 1 | Smoke rises vertically |
| 1-3 | Direction of wind shown by smoke drift but not by wind vanes |
| 4-7 | Wind felt on face, leaves rustle, ordinary wind vane moves |
| 8-12 | Leaves and small twigs in motion, light flags extended |
| 13-18 | Dust raised, loose paper raised, small branches move |
| 19-24 | Small leafy trees sway, crested wavelets form on lakes and ponds |
| 25-31 | Large branches in motion, whistling in telephone wires & link fences |
| 32-38 | Whole trees in motion, inconvenience felt walking against wind |
| 39-46 | Twigs break off trees, impedes progress while walking |
| 47-54 | Small branches break off dead or diseased trees |
| 55-63 | Slight structural damage (chimneys and shingles), branches break off healthy trees with leaves |
| 64.72 | Large branches of trees broken off, trees with leaves uprooted, structural damage to roofs |
| 73+ | Major and widespread damage to structures, many roofs and windows damaged. |

# SKYWARN Hail Size Chart

| Hail Diameter Size | Description |
|---|---|
| 1/4" | Pea size |
| 3/4" | Penny size |
| 7/8" | Nickel size |
| 1" | Quarter size |
| 1 1/4" | Half dollar size |
| 1 1/2" | Walnut or ping pong ball size |
| 1 3/4" | Golf ball size |
| 2" | Hen egg size |
| 2 1/2" | Tennis ball size |
| 2 3/4" | Baseball size |
| 3" | Teacup size |
| 4" | Grapefruit size |
| 4 1/2" | Softball size |

# EMERGENCY, PRIORITY and ROUTINE

# EMERGENCY

1. Any incident involving injuries.
2. Any incident involving trapped victims needing rescue.
3. Any incident involving hazardous materials that may require evacuation.
4. Any incident involving fires (including smoke which may indicate a fire)
5. Any incident involving danger or injury to an ARES team member.

# PRIORITY

1. Any incident involving flooding across a roadway.
2. Any incidents involving POTENTIAL life or death situations.
3. Any incident involving power lines down across the roadway or broken water mains.
4. Any other incident you deem as a priority and feel the Incident Commander should be informed.

# ROUTINE

1. Windshield survey information.
2. Arrival or departure from assignments.
3. Checking in or checking out of service as a volunteer.

## Reporting Drill / Disaster Radio Traffic

**Example: "EOC, kd7own, with one EMERGENCY"**
**Example: "Comm II, kd7own, with one PRIORITY and one ROUTINE"**

✓ Prioritize all radio traffic. Most important first, least important last.

✓ EMERGENCY radio traffic always handled immediately.

✓ EMERGENCY and PRIORITY radio traffic handled one at a time.

✓ Only important ROUTINE radio traffic gets reported.

✓ Have patience! Be professional at all times.

# *Centralia*
## *Amateur Radio Emergency Service*
### *General Training Net Preamble*


"This is _____, net control for the Centralia Amateur Radio Emergency Service net.

I'll be taking check-ins of members on their way for training this evening.  When checking in, give your call sign phonetically and whether or not you have traffic for the net.  Please listen carefully to avoid 'doubling' with other check-ins and when the frequency is clear, make your transmission.

I will acknowledge each check-in as received and ask that you drive carefully to the meeting.

This is _____, now calling for check-ins."


# Centralia ARES Emergency Call out Procedures


1.  Centralia ARES team members will be notified of an emergency call out by Alert Sense phone and email messaging system.  Backup notification will use a simple telephone tree.

2.  Team members will be asked to:
(a) immediately monitor a particular radio frequency for further info or assignment:
- K7CEM Repeater –  145.490, -600 offset, PL Tone 110.9
- BawFaw Repeater – 147.060, +600 offset, PL Tone 110.9
- CVARS  Repeater -  145.430, -600 offset,  PL Tone 110.9
- Centralia ARES simplex #1 – 146.540; or

(b) monitor a radio frequency at a particular time (example: top of each hour); or

(c) deploy to location for assignment.

3.  Should emergency conditions prohibit notification by phone or email due to power outages as may be experienced in an earthquake, team members should monitor Centralia ARES simplex and K7CEM Repeater for 60 minutes after the event and then 10 minutes at the top of each hour thereafter.

# Incident Command Forward Staging Area

## Setting Up A Forward Staging Area

1. Select safe staging area location near to incident, based on size required for equipment to be staged.

2. Set up comms using your vehicle, Comm II or Comm III and establish communications with EOC.

3. Advise EOC of staging area location & tactical callsign.

4. EOC and you should decide on a staging area frequency plan (usually ARES simplex 1, 2 or 3)

5. Set up logging system to track arriving vehicles, personnel and equipment.

6. Create a list of items needed for forward staging area and communicate those needs to the EOC

7. Request, from EOC, any additional personnel required to perform staging area tasks.

8. Maintain ongoing communications with EOC to keep them informed of staged equipment & personnel available.

## Immediate Checklist
- ✓ Wind direction & safe location
- ✓ Know address & cross street of FSA
- ✓ Establish basic communications link
- ✓ Designate frequency & tactical call
- ✓ Request extra personnel as needed
- ✓ Nearest helicopter landing zone?
- ✓ Prepare to log vehicles arriving

## Longer Term Checklist
- ✓ Expanded comms (Rednet & CPD)
- ✓ Temporary shelters
- ✓ Power source for radios & lighting
- ✓ Briefing & media areas
- ✓ Food & water
- ✓ Sanitary facilities
- ✓ Maps
- ✓ Sleeping & shower facilities
- ✓ Fuel location for staged vehicles
- ✓ Cots, pillows and blankets
- ✓ Tables & chairs
- ✓ Aid station
- ✓ Secure internet for responders
- ✓ Phone & computer charging station

## Forward Staging Area Considerations

### Location:
- ✓ Staging area big enough for staged equipment?
- ✓ Staging area far enough from incident to be safe?
- ✓ Wind direction?
- ✓ 24 hour lighting available?
- ✓ Multiple entrances & exits for large vehicles?
- ✓ Pavement vs. open field
- ✓ Closest helicopter landing zone?
- ✓ Media & briefing areas available?
- ✓ Expandable if necessary?

### Accessibility:
- ✓ Access from freeway and easy to locate?
- ✓ Establish route in / route out
- ✓ Multiple entrance & exit points for large vehicles?
- ✓ Residential noise issues?
- ✓ GPS map capability?

### Facilities:
- ✓ Sanitary facilities available?
- ✓ Covered cooking & eating area?
- ✓ Covered planning & briefing areas?
- ✓ Drinking water available?
- ✓ Space for secure & private sleeping areas?
- ✓ Shower facilities?
- ✓ Ability to wash clothes?

### Security:
- ✓ Capable of securing perimeter?
- ✓ Secure area for staged vehicles & equipment?
- ✓ Secure sleeping area?
- ✓ Secure bathroom & shower facilities?
- ✓ Media & briefing security?
- ✓ Space for secure fuel & equipment storage?

### Communications:
- ✓ Comm I, II, III or private vehicle?
- ✓ Generator or shore power?
- ✓ Communications available with EOC / 911?
- ✓ Radio interference?
- ✓ Tactical callsign (usually "staging area")
- ✓ Frequency plan (usually simplex 1,2, or 3)
- ✓ Log ARES personnel's arrival & departure
- ✓ List of equipment needed radioed to EOC?
- ✓ List of personnel needed radioed to EOC?
- ✓ Coordinate personal rotation plan with EOC

### Logging:
- ✓ Log vehicles arriving to be staged
- ✓ Log personnel on arriving vehicles
- ✓ Log type of equipment ( fire engine, tanker, aid)
- ✓ Log individual supervisor for equip. arriving
- ✓ Log date & time of arrival (24 hour clock)

## THE AMERICAN RADIO RELAY LEAGUE
# RADIOGRAM
### VIA AMATEUR RADIO

| NUMBER | PRECEDENCE | HX | STATION OF ORIGIN | CHECK | PLACE OF ORIGIN | TIME FILED | DATE |
|--------|-----------|----|-----|-------|----------------|-----------|------|

**TO**

**THIS RADIO MESSAGE WAS RECEIVED AT**

AMATEUR STATION _____ PHONE _____

NAME _____

STREET ADDRESS _____

CITY AND STATE _____

TELEPHONE NUMBER

| REC'D | FROM | DATE | TIME | SENT | TO | DATE | TIME |
|-------|------|------|------|------|-----|------|------|

THIS MESSAGE WAS HANDLED FREE OF CHARGE BY A LICENSED AMATEUR RADIO OPERATOR, WHOSE ADDRESS IS SHOWN IN THE BOX AT RIGHT ABOVE. AS SUCH MESSAGES ARE HANDLED SOLELY FOR THE PLEASURE OF OPERATING. NO COMPENSATION CAN BE ACCEPTED BY A "HAM" OPERATOR. A RETURN MESSAGE MAY BE FILED WITH THE "HAM" DELIVERING THIS MESSAGE TO YOU. FURTHER INFORMATION ON AMATEUR RADIO MAY BE OBTAINED FROM A.R.R.L. HEADQUARTERS, 225 MAIN STREET, NEWINGTON, CONN. 06111

THE AMERICAN RADIO RELAY LEAGUE, INC., IS THE NATIONAL MEMBERSHIP SOCIETY OF LICENSED RADIO AMATEURS AND THE PUBLISHER OF QST MAGAZINE. ONE OF ITS FUNCTIONS IS PROMOTION OF PUBLIC SERVICE COMMUNICATIONS AMONG AMATEUR OPERATORS. TO THAT END, THE LEAGUE HAS ORGANIZED THE NATIONAL TRAFFIC SYSTEM FOR DAILY NATION-WIDE MESSAGE HANDLING.

PRINTED IN U.S.A.

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1. **Preamble**: The preamble includes information used to prioritize and track the message.
   a. **Number**: assigned by the station originating the message (Station of Origin).
   b. **Precedence**: R (Routine); W (Welfare); P (Priority) or EMERGENCY
   c. **Handling instructions**: optional – used if specific need is present.
   d. **Station of origin**: the call sign of the station creating the message.
   e. **Check**: the number of word groups in the text of the message. A word group is any group of one or more consecutive characters with no interrupting spaces.
   f. **Place of origin**: the location (city and state) of the party for whom the message was created.
   g. **Time filed**: optional, used only when filing time has some importance.
   h. **Date**: the month and day the message was filed.

2. **Address:** name, address, city, state, ZIP, telephone number and email address of the intended recipient. Note that punctuation is not used in the address section.

3. **Text:** the message information, limited to 25 words or less if possible. Normal punctuation characters are not used in the text. A question mark, is voiced as QUERY, and a hyphen is voiced as DASH. The letter X, voiced as X-RAY, is used as a period (but never after the last group of the text) and counts as a word group when figuring the Check. The letter R, voiced as ROMEO, is used in place of a decimal in mixed figure groups (example: 146R52 for 146.52).

4. **Signature:** the name of the party for whom the message was originated. May include additional information such as Amateur Radio call sign, title, address, phone number and so on.

# ARES Disaster Shelter Coordination – Checklist
## (Coordinate Disaster Shelter needs with Emergency Operations Center)

☑ Notify EOC you have arrived at shelter site
☑ Notify EOC of shelter address & phone number
☑ What relief agency has established this shelter?
☑ Notify EOC of any ARES equipment needs.
☑ Set up radio communications system for shelter.

☑ Name of shelter coordinator if known?
☑ Establish shelter occupant list and notify EOC
☑ Coordinate tactical callsign for shelter with EOC
☑ How many people can the shelter accept?
☑ Set up health & welfare message handling system.

### Notify EOC of availability of following items:

☑ Water & Food available on site?
☑ Cooking facilities available on site?
☑ Restroom facilities available on site?
☑ Prescription medical supplies needed?
☑ Pet shelter available?  Pet supplies needed?

☑ Cots and bedding available on site?
☑ Shower facilities available on site?
☑ Heating / air conditioning available on site?
☑ Infant care supplies needs?
☑ Sanitary supplies needed?

### Notify EOC of ARES communication capabilities:

☑ ARES operators inside facility or outside?
☑ What additional equipment is needed?
☑ Tactical call sign established?

☑ Operating off electrical mains or battery power?
☑ When will you require relief?

### Disaster Shelter Registration Form

**Disaster Shelter Name:**                                              **Address:**

| N | Name (Last/First) | M/F | Evacuated From | Delivered By | Date / Time |
|---|---|---|---|---|---|
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