

Oregon Section
ARES/RACES
Operations Manual
And
Statewide
Communications Plan



1 January 2008

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Timeline for Revision and Update of the Plan

This plan will be reviewed and updated on an annual cycle; however, the single page “County Information” sheets in Section II should be updated and distributed on a real-time basis. The ARES/RACES organization has three levels: County, District and State. Each level has a distinct leadership function and its own set of operational requirements. Therefore, before a State level plan can be completed the County and District level plans must be completed. To accomplish this, the planning cycle must have phased dates for the completion of each level plan.

County plans are due to the District Emergency Coordinator (DEC) by July 1 of each year. See Appendix B for information on County Communications Plans.

District level plans (if any) along with the County plans are due to the Section Emergency Coordinator (SEC) by August 1 of each year.

The Statewide plan is due by September 1 of each year and will be available for discussion and approval at the Annual Leadership Conference.

As soon as practicable after the Annual Leadership Conference the Section Manager (SM) will publish the plan on the Section website, and the Oregon Emergency Management (OEM) Amateur Radio Unit (ARU) will publish the plan in an appropriate section on the OEM website. The plan may be published on other websites and will be available in printed form.

Only basic plan information will be updated annually. Such things as the names and contact information for County Emergency Coordinators (EC’s) and other information subject to more frequent change will NOT be included in the plan. This information should be available from the SM, the SEC, the DEC’s and other sources such as the Oregon Section website.

The Oregon Section website is: <http://www.arrloregon.org/news.php>

The suggested content of County and District plans is found in a subsequent section of this plan.

The Purpose of This Document

Background

For nearly a century now amateur radio has been a major player in emergency communications. During that time the role of amateur radio has evolved, and is still evolving. Technologies continue to change, and sometimes replace, some of the legacy systems and traditional roles. At the same time those new technologies have opened up new possibilities for amateurs, and the amateur community must carefully consider how to apply them.

Emergency communications is not as simple as it used to be. In the post 9/11 world, more demands for professionalism, security, continuing education, working within and through federally mandated emergency response organizations, and the standardized Incident Command System are placing more demands than ever upon amateur radio communications response agencies and individuals.

In short, the requirements for being effective emergency communicators have changed over the years as the amateur service and technology have changed. It is no longer enough to simply ‘have a license’ and be an eager volunteer.

Purpose

The *singular* purpose of this plan is to help organize and train a cadre of volunteer amateur radio operators who may be called upon in a future emergency or disaster to fulfill the basic mission statement of Oregon Section ARES/RACES:

“Oregon section ARES/RACES exists to provide a viable first response to local or regional communications system outages or overloads. Using Amateur Radio equipment, systems, and operators as directed by the local Emergency Manager, ARES provides back-up voice and digital hard-copy communications networks to designated agencies for a period of not less than 72 hours, or until normal communications are restored.”

This plan has been written by the Oregon Section ARES/RACES leadership to provide assistance, guidance, direction and standards for ARES and RACES Units within this State. The contents of this plan are intended to be a compilation of best practices, guidelines, and *suggested* standard operating procedures rather than a specific blueprint. ***This manual is a resource, not a regulation.*** The County EC is given great latitude to determine the actual needs and programs to implement support for the County Emergency Manager. There is no way a single plan will be able to anticipate and provide for all contingencies. Every unit, at the County or District level faces somewhat different situations and issues. Specificity should increase as each subordinate plan approaches the most local level.

ARES vs. RACES

While ARES and RACES are separate entities, the American Radio Relay League (ARRL) has long advocated dual membership and cooperative efforts between both groups. This is the approach taken in Oregon Section ARES/RACES. The best solution has been found in combining both the leadership and membership of both units. If the ARES Emergency Coordinator and the RACES Radio Officer is the same individual, and all of the members are enrolled in both ARES and RACES, all the group need do is ‘change hats’ and go on as before.

The **Amateur Radio Emergency Service (ARES)** is part of the Field Services Division of the ARRL and is designed to support as fully as possible selected emergency response and disaster relief organizations. The ARRL has established a number of Memorandums of Understanding (MOU’s) between ARRL and other agencies. The current MOU’s at the national level are as follows:

- American Red Cross
- National Weather Service
- Department of Homeland Security—Citizen Corps (FEMA)
- Association of Public-Safety Communications Officials—International
- National Communications System
- National Association of Radio and Telecommunications Engineers, Inc.
- Salvation Army
- Society of Broadcast Engineers
- Quarter Century Wireless Association, Inc.
- Radio Emergency Associated Communication teams (REACT)
- Civil Air Patrol

However, ARES does retain its own identity and organization structure, personnel and physical infrastructure while providing communications support.

When dealing with served agencies, including county emergency managers, remember that ARES is itself a self-contained emergency organization that works with the served agency, not for it; that is, in *partnership*. The ARES infrastructure includes privately owned radios, antennas, ARES dedicated and cooperating repeaters and accessory equipment. Even more important than the equipment, the organizational structure includes numerous nets, training exercises, community support and cooperative planning with the agencies. When officials request ARES support they get the full benefit of all this, as well as the personal services of many volunteer operators, many of whom are not visible in the emergency or disaster area. At the same time, be mindful that ARES operators working in a served agency will be perceived as a part of *their* organization, should be governed by

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their dress, grooming, and behavior standards, and should be prepared to do anything within reason to assist them.

What became the **Radio Amateur Civil Emergency Service (RACES)** grew out of a World War II civil defense organization of amateur operators that had been organized by the then War Department. By 1952, as the ‘cold war’ developed, it became clear that increased attention to communications was needed in a variety of civil defense applications and RACES, as it is known today, was born. Today it is recognized as one of the frameworks through which amateur radio operators would assist Department of Homeland Security (DHS) and Federal Emergency Management Agency (FEMA) requirements for back-up or emergency communications as part of the National Communications System (NCS). Other frameworks utilizing amateur radio operators include the Military Affiliate Radio service (MARS) and the NCS Shared Resources program (SHARES).

RACES Units are created and administered by local, county and state civil defense/emergency management agencies. Each unit is a separate entity, and there is no hierarchy or structure of command and control between units. In short, each RACES Unit ‘belongs’ to a specific civil preparedness governmental entity. As the Part 97.407 rules make clear, RACES is intended to provide radio communications for civil-preparedness purposes *only*, during periods of local, regional or national civil emergencies. These emergencies are not limited to war-related activities, but can include natural disasters such as fires, floods and earthquakes. It is important to note that only emergency management officials can authorize RACES units, and appoint RACES Radio Officers (RO’s), and that this operation is strictly limited to official civil-preparedness activity in the event of an emergency communications situation.

Amateurs operating in a local RACES organization must be officially enrolled in the local civil-preparedness agency having jurisdiction prior to an emergency. In Oregon, this requirement is met when the County Emergency Manager conducts a background check, and further recommends that an individual be issued a RACES Identification Card (“Yellow Card”) by OEM.

Because of the need for increased security and background checks for people needing access to EOC’s and other emergency response facilities, Oregon Section ARES has adopted this same identification card as the standard statewide ARES identification card as well. All primary ARES unit members must apply for and receive this card.

Operator privileges in RACES are identical to those of the class of license held by the operator in the Amateur Radio Services. All of the authorized frequencies and emissions allocated to the Amateur Radio Service are also available to RACES on
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a shared basis, except that should the President invoke the War Powers Act, the regular Amateur Radio Services would be required to shut down and RACES stations would be allocated frequencies based on the recently revised provisions of 97.214.

During a ‘non-declared emergency’, a training session, or area exercise the unit can operate as an ARES unit. When local, State, or Federal authorities officially declare an emergency or disaster, the unit becomes a RACES unit if required, with no change in leadership, membership, or operating practices.

Activation of ARES and RACES Units

The local Emergency Management Director, usually the County Emergency Manager, is the primary served agency for that County’s ARES/RACES Unit, and would normally be responsible for Unit activation, although the delegated authority may vary from county to county. The EC and EM should work together to set resource priorities for served agencies within the county during an emergency. However, the EC may activate the ARES unit at the request of any individual served agency that has or anticipates a communications emergency.

ARES/RACES units are NOT ‘self-activating’.

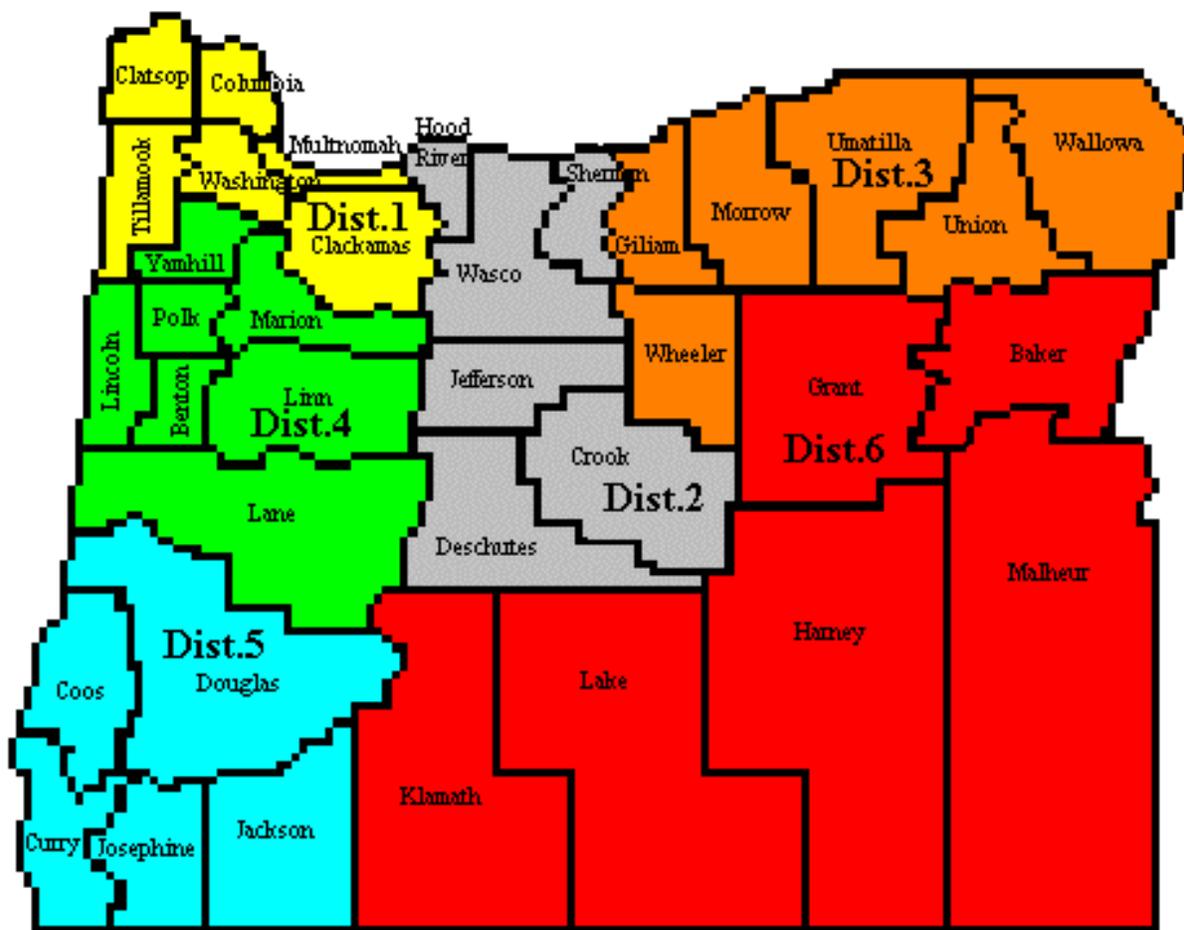
One of the reasons for this is that in a number of counties arrangements have been made to provide injury, Workman’s Comp, and liability Insurance to properly accredited volunteers, of which *activated* ARES/RACES Units are one example. Each county EC/RO should find out exactly what the requirements are for their County, which would provide such coverage.

Nevertheless, there are a number of situations in which common sense should prevail. For example, should ARES/RACES members, especially EC’s, AEC’s and other appointees, become aware of an emergent emergency or disaster situation there are some logical and reasonable steps that could, and should, be taken. A proactive EC might want to initiate contact with their County Emergency Manager to make sure that they are aware of the event; begin a local or county net in preparation for assignment; and ensure that their gear and equipment is ready for activation.

Note: Any activation of an Oregon Section ARES/RACES Unit shall be reported immediately to the appropriate DEC and the SEC.

Structure of the Oregon Section ARES/RACES Organization

ARES District and County Map



Please refer to the ARRL Public Service Communications Manual for a complete and current description of the ARES organizational structure, and descriptions of the various Section ARES leadership positions, job titles, and duties. View it online at:

<http://www.arrl.org/FandES/field/pscm/>

The Role of Oregon Emergency Management

Oregon Emergency Management (OEM) as an Agency of State Government

This section refers to the State Agency OEM, and not to the OEM Amateur Radio Unit, which provides secondary communications services to it.

Neither OEM, nor the OEM Amateur Radio Unit, has any management, supervisory, or command and control relationship over Oregon Section ARES/RACES.

OEM is the one served agency of the OEM ARU. The OEM ARU is like a County ARES Unit in structure, manning, and mission. It is managed by an EC, and is included for oversight purposes in District 4. It does not make policy, prescribe operational methods, or dictate training, systems, or frequencies. It operates only during scheduled training, exercises, by request in support of County exercises and demonstrations, or during actual emergency or disaster events; The OEM ARU is not staffed during non-exercise or non-emergency hours.

OEM has appointed a State RACES Radio Officer, who is also The ARES SEC. In so doing, OEM has validated the ARRL “dual registration” approach. Continuity of Command and operations is thus assured when operating under either ARES or RACES.

Oregon Emergency Management is under the jurisdiction of the Oregon Military Department. The Purpose/Mission Statement is taken from the OEM website:

“The purpose of the Office of Emergency Management is to execute the Governor's responsibilities to maintain an emergency services system as prescribed in ORS 401 by planning, preparing and providing for the prevention, mitigation and management of emergencies or disasters that present a threat to the lives and property of citizens of and visitors to the State of Oregon. The agency is responsible for coordinating and facilitating emergency planning, preparedness, response and recovery activities with the State and local emergency services, and shall make rules that are necessary and proper for the administration of ORS 401, and to:

- *Coordinate the activities of all public and private organizations specifically related to providing emergency services within this state;*
- *Maintain a cooperative liaison with emergency management agencies and organization of local governments, other states, and the Federal Government;*
- *Have such additional authority, duties and responsibilities authorized by ORS 401.015 to 401.105, 401.260 to 401.325 and 401.355 to 401.580 or as may be directed by the Governor;*

- *Administer grants relating to emergency program management and emergency services for the state;*
- *Provide for and staff a State Emergency Operations (Coordination) Center to aid the Governor and the office in the performance of duties;*
- *Serve as the Governor's authorized representative for coordination of certain response activities and managing the recovery process;*
- *Establish training and professional standards for local emergency program management personnel;*
- *Establish task forces and advisory groups to assist the office in achieving mandated responsibilities; and*
- *Enforce compliance requirements of federal and state agencies for receiving funds and conducting designated emergency functions.”*

Further information on OEM can be found at <http://www.oregon.gov/OMD/OEM>

Further information on the OEM Amateur Radio Unit can be found at:

http://www.oregon.gov/OMD/OEM/tech_resp/amateur_radio.shtml

The online OEM manual for “Emergency Declaration Guidelines for Elected and Appointed Local Officials” can be found at:

http://www.oregon.gov/OMD/OEM/docs/library/e_a_officials_guide_nov_2006.pdf

Processing of RACES Identification Cards for RACES Members

The Statewide RACES identification card (“yellow card”) was established to manage and maintain an identification card process for volunteer amateur radio emergency communications personnel affiliated with the RACES program. It is not an identification card issued by ARES. However, Oregon Section ARES/RACES has adopted that card as the standard identification card for primary ARES unit members as well.

The identification card will signify registration with both the local, State, and homeland security and emergency management agencies for the purpose of meeting the FCC rules related to volunteer communicators in the RACES program. The bearer of such a card may be recognized as a representative of the local emergency management office who issued the card, that is, the County or other Civil Defense agency whose name is noted under the photo of the cardholder, and Oregon Emergency Management. The card DOES NOT provide ANY other authorization except in the performance of the bearers’ RACES assignment, which is volunteer emergency communications upon activation by the requesting Civil Defense agency.

If a volunteer falsely uses the identification card during circumstances that violate the purpose of this plan the card must be relinquished and the card holder will not be eligible for another RACES identification card in Oregon. A cardholder traveling to another jurisdiction will not and may not provide volunteer emergency communications unless previously requested and approved by that County’s Emergency Manager for mutual aid or ARESMAT augmentation.

Process for Obtaining a RACES Identification Card

1. Counties will establish a list of amateur radio personnel and complete a background check that will, at a minimum, include a National Crime Information Center (NCIC) and driver’s license check through the Law Enforcement Data system (LEDS). Each County uses it’s own application form, and sets its own standards for approval or disapproval of the ID card issue request. Agencies that do not have access to LEDS, or that choose not to conduct the background check may request that OEM complete a background check for their RACES personnel. Under those circumstances, however, it will be the State that determines the standards for approval. Backgrounds will be processed through established protocols and a fee may apply.

2. To obtain identification cards from OEM, the local emergency manager, or designated individual, will forward the "Request for RACES State of Oregon Identification Card" form with the appropriate information provided to OEM.

3. OEM will enter the amateur radio operator's information into an OEM maintained database, and return identification cards to the local emergency manager or designated individual for final processing.

4. The local emergency manager, or designated individual, will sign and affix a photograph of each cardholder to the identification card(s) and disseminate to RACES personnel.

A. If an electronic picture is provided with the request for identification card (in jpeg or bitmap format), then OEM will print the photo on the card before returning. The photo must be saved with the amateur's FCC call sign as the file name (example: kb7njv.jpg).

5. Identification cards must be renewed every two years, but may be requested at any time.

6. Local emergency managers are requested to advise OEM whenever a RACES volunteer terminates affiliation with a jurisdiction (this will ensure the database is current). The "Request for RACES State of Oregon ID Card" form has provisions for this at the bottom.

7. The County Emergency Manager has the authority to suspend and seize identification cards as appropriate under this plan, but would most likely do so only upon recommendation of the County ARES EC. The EC may need to cancel the card of an individual who is no longer in his County, was terminated for cause, or is no longer a current active ARES/RACES member in his County. If an identification card is cancelled or seized, that card will be returned to OEM or destroyed by the County Emergency Manager. OEM maintains a database of issued cards, and must be advised when cards are cancelled. Contact the current OEM Radio Officer to effect these database corrections.

Federal Communications Commission (FCC) Rules and Regulations

This information is current as of June 27, 2007.

Amateurs need to remember that, in the words of the old Communications Act of 1934, they are licensed ‘in the public interest, convenience or necessity’. The revised Code of Federal Regulations continues that tradition of public service. It is part of the duty taken on when they accept an amateur radio license.

The following is taken from the CFR, Title 47: Telecommunication, Part 97—Amateur Radio Service, Subpart A—General Provisions:

§ 97.1 Basis and purpose.

The rules and regulations in this part are designed to provide an amateur radio service having a fundamental purpose as expressed in the following principles:

(a) Recognition and enhancement of the value of the amateur service to the public as a voluntary noncommercial communication service, particularly with respect to providing emergency communications.

(b) Continuation and extension of the amateur's proven ability to contribute to the advancement of the radio art.

(c) Encouragement and improvement of the amateur service through rules which provide for advancing skills in both the communication and technical phases of the art.

(d) Expansion of the existing reservoir within the amateur radio service of trained operators, technicians, and electronics experts.

(e) Continuation and extension of the amateur's unique ability to enhance international goodwill.

The following is taken from the Code of Federal Regulations (CFR), Title 47: Telecommunications, Part 97—Amateur Radio Service, Subpart E—Providing Emergency Communications:

§ 97.407 Radio amateur civil emergency service.

(a) No station may transmit in RACES unless it is an FCC-licensed primary, club, or military recreation station and it is certified by a civil defense organization as registered with that organization, or it is an FCC-licensed RACES station. No person may be the control operator of a RACES station, or may be the control operator of an amateur station transmitting in RACES unless that person holds a FCC-issued amateur operator license and is certified by a civil defense organization as enrolled in that organization.

(b) The frequency bands and segments and emissions authorized to the control operator are available to stations transmitting communications in RACES on a shared basis with the amateur service. In the event of an emergency which necessitates invoking the President's War Emergency Powers under the provisions of section 706 of the Communications Act of 1934, as amended, 47 U.S.C. 606, RACES stations and amateur stations participating in RACES may only transmit on the frequency segments authorized pursuant to part 214 (*see note below*) of this chapter.

(c) A RACES station may only communicate with:

(1) Another RACES station;

- (2) An amateur station registered with a civil defense organization;
 - (3) A United States Government station authorized by the responsible agency to communicate with RACES stations;
 - (4) A station in a service regulated by the FCC whenever such communication is authorized by the FCC.
- (d) An amateur station registered with a civil defense organization may only communicate with:
- (1) A RACES station licensed to the civil defense organization with which the amateur station is registered;
 - (2) The following stations upon authorization of the responsible civil defense official for the organization with which the amateur station is registered:
 - (i) A RACES station licensed to another civil defense organization;
 - (ii) An amateur station registered with the same or another civil defense organization;
 - (iii) A United States Government station authorized by the responsible agency to communicate with RACES stations; and
 - (iv) A station in a service regulated by the FCC whenever such communication is authorized by the FCC.
 - (e) All communications transmitted in RACES must be specifically authorized by the civil defense organization for the area served. Only civil defense communications of the following types may be transmitted:
 - (1) Messages concerning impending or actual conditions jeopardizing the public safety, or affecting the national defense or security during periods of local, regional, or national civil emergencies;
 - (2) Messages directly concerning the immediate safety of life of individuals, the immediate protection of property, maintenance of law and order, alleviation of human suffering and need, and the combating of armed attack or sabotage;
 - (3) Messages directly concerning the accumulation and dissemination of public information or instructions to the civilian population essential to the activities of the civil defense organization or other authorized governmental or relief agencies; and
 - (4) Communications for RACES training drills and tests necessary to ensure the establishment and maintenance of orderly and efficient operation of the RACES as ordered by the responsible civil defense organization served. Such drills and tests may not exceed a total time of 1 hour per week. With the approval of the chief officer for emergency planning in the applicable State, Commonwealth, District or territory, however, such tests and drills may be conducted for a period not to exceed 72 hours no more than twice in any calendar year.

(Note: recent changes to part 214 removed specific frequencies for RACES operations.)

Appendix A:

OREGON ARES/RACES CERTIFICATION PROGRAM

PURPOSE:

The purpose of the Oregon ARES/RACES Certification Program, if adopted by a County ARES/RACES unit, is to define levels of capability and competence within that County's ARES/RACES Program. Standards are established against which County programs are categorized as certified at a Basic, Intermediate, or Advanced level. Certification at any level qualifies the County for recognition by the SEC, and a subsequent letter of accomplishment to be sent to the County Emergency Manager.

Several Counties already have some elements of a certification process in place. The Oregon ARES/RACES Certification Program is not meant to replace those locally developed programs, which, in most cases, are more demanding than the similar elements of the Oregon ARES/RACES Certification Program. It is expected that the DEC will work with each EC to integrate locally designed elements during the evaluation process. The Oregon ARES/RACES Certification Program attempts to set minimum levels only; County EC's are free to adopt more stringent requirements, or not participate in any certification process if so desired.

GOALS AND OBJECTIVES:

- ❖ To provide an optional "turn-key" Certification Program for County EC's to adopt in lieu of creating their own, or having none.
- ❖ To clearly identify the capabilities available to Emergency Managers in any specific County.
- ❖ To build confidence in the ARES/RACES Program among Emergency Managers at all levels.
- ❖ To encourage a program of continual improvement among ARES/RACES units.
- ❖ To recognize the exceptional work of County ARES/RACES units and individuals in meeting the needs of the emergency communications customer.

PROCEDURES:

In the following pages are the standards used to determine the various levels of certification that a County ARES/RACES unit can achieve. Initially, each DEC will make a determination as to whether each of his/her Counties meets the requirements for Basic Certification. Each DEC is empowered to declare attainment of Basic Certification without further review. Certification of Counties to the Intermediate or Advanced levels will be joint evaluations of the DEC and a second DEC from an adjoining District. The results of such evaluations will be recorded on the Certification Worksheet. (Attachment 1)

The requirements for Intermediate and Advanced level certifications are progressively more challenging. A County able to meet the standards in any 4 of the 6 certification areas may be awarded “provisional” certification as a preliminary recognition and encouragement along the way toward full certification

The awards of certification levels may take place at the Leadership Conference, Salem Ham Fair, Sea Pac, or Swaptoberfest. The SEC shall write a letter to each County EM reporting the certification status upon receipt of the certification worksheet signed by both the nominating DEC, and a second DEC. Basic Certification may be awarded with the signature of only the nominating DEC. The letter to be used is attachment 2.

Basic Certification

Capabilities:

- ❖ An area VHF repeater is available and operational. Communications capability exists to OEM and adjacent County EOC's by means of VHF, UHF, HF, or linked repeater system.

Readiness:

- ❖ The EC can demonstrate the ability of his unit to "round up" the required equipment and people to provide an operational, practical use communications system to the County EM within 2 hours. The sole judge of whether the systems are of practical use is the County EM.

Sustainability:

- ❖ Enough "active" members, with State issued RACES "yellow card" ID, and local agency ID cards if required, are available to staff each equipment position using 12-hour on and 12-hour off shifts for 72 hours. An "active" member is defined as someone who has attended 75% or more of scheduled training meetings.

Training:

- ❖ Meetings held for the express purpose of training are held not less than quarterly.
- ❖ An annual total of at least 12 hours of training is conducted and documented. Exercises and/or actual events may count toward this total.
- ❖ Training conducted is hands-on using the actual personal equipment owned by the individual members, and the actual equipment used in support of the local Emergency Manager.
- ❖ The minimum training requirements are as outlined in the latest State Amateur Radio Plan.
- ❖ Attendance records are kept.

Professional Development/Continuing Education

- ❖ All "active" members have completed, or are enrolled in NIMS (currently FEMA course IS-700). Additionally, the EC has completed FEMA Course IS-700.

Exercises:

- ❖ The ARES/RACES unit participates in at least one of two annual Section Simulated Emergency Tests (SET)

Intermediate Certification

Capabilities:

All of the requirements of Basic Certification plus:

- ❖ HF capability on 40 & 80 meters.
- ❖ Battery backup at repeater site (or emergency power on-site, or available to be brought to the site)
- ❖ VHF packet capability with connectivity to a network node.

Readiness:

All of the requirements of Basic Certification plus:

- ❖ A location has been allocated in, adjacent, or convenient to the EOC, into which equipment can be moved or stored.
- ❖ VHF/UHF antenna systems have been pre-installed and tested.
- ❖ HF equipment may be off-site if a reliable landline or radio link is available to the HF site from the EOC.
- ❖ The time to bring up all systems to a level of practical use to the County EM shall be not more than 2 hours. The sole judge of whether the systems are of practical use is the County EM.
- ❖ In Counties where a mobile or transportable Incident Command Post (ICP) is used in lieu of a fixed location EOC, the above requirements will apply to it.
- ❖ In Counties where both an EOC and mobile Command Post exist, it will be at the sole discretion of the County EM as to where the capabilities are installed.

Sustainability:

- ❖ Enough “active” members, with State issued RACES “yellow card” ID, and local agency ID cards if required, are available to staff each equipment position at the primary EOC using 8-hour shifts for 72 hours.
- ❖ The EC is not a shift worker and is free to exercise management, supervisory and coordination activities for the incident.

Training:

- ❖ Meetings held for the express purpose of training are held not less than monthly
- ❖ An annual total of at least 24 hours of training is conducted and documented.
Exercises and/or
Actual events may count toward this total.
- ❖ Training conducted is hands-on using the actual personal equipment owned by the individual members, and the actual equipment used in support of the local Emergency Manager.
- ❖ The minimum training requirements are as outlined in the latest State Amateur Radio Plan.
- ❖ Attendance records are kept.
- ❖ Classroom lecture and demonstrations are used.
- ❖ A lesson plan is prepared and handouts, guides, overheads or power point may be used to enhance learning, retention and interest.

Professional Development/Continuing Education:

- ❖ All “active” members have completed IS-700, and have completed or are enrolled in a basic ICS course such as FEMA Course IS-100 or equivalent.
- ❖ Additionally, the EC has completed FEMA Courses IS-700 and IS-100 or its equivalent.

Exercises:

- ❖ The ARES/RACES unit participates in two Section SET’s annually. Each local or regional exercise with a local served agency, or participation in an actual incident may replace a requirement for an SET.

Advanced Certification

Capabilities:

All of the requirements for Basic and Intermediate, plus:

- ❖ Capability for a concurrent District Net using either VHF/UHF or HF
- ❖ HF operation on 160, 80, 60 & 40 meters.
- ❖ NVIS mode HF antenna
- ❖ HF Pactor capability.
- ❖ Access to a TelPac Gateway
- ❖ Emergency power at ECC/EOC
- ❖ Access to EOC LAN and internet

Readiness:

- ❖ A dedicated, suitable space for emergency communications equipment and staffing has been allocated in advance by the County EM, and all required equipment and systems have been procured, installed, and tested, including HF.
- ❖ This EOC amateur radio station shall have telephone equipment, LAN, and Internet access, along with a computer and software that allows EOC operators to redirect SMTP email into one of several alternative systems for successful delivery to the recipient.
- ❖ In Counties where a mobile or transportable Incident Command Post (ICP) is used in lieu of a fixed location EOC, the above requirements will apply to it.
- ❖ In Counties where both an EOC and mobile Command Posts exist, it will be at the sole discretion of the County EM as to where the capabilities are installed.

Sustainability:

All the requirements for Intermediate, plus:

- ❖ Enough additional “active” and/or “auxiliary” members exist to field significant off-site additional capabilities as may be requested by the County EM.

Training:

All the requirements for Intermediate, plus:

- ❖ A written, annual plan of training is published and distributed.
- ❖ Training records are established, and individuals are tested and certified for positional duties.

Professional Development/Continuing Education:

- ❖ All “active” members have completed FEMA Courses IS-700, IS-100, and have completed or are enrolled in ICS course IS-200.
- ❖ Additionally, the EC has completed FEMA course IS-200.

Exercises:

- ❖ The ARES/RACES unit participates in both of the Section’s SET’s, AND develops or participates in at least one local or regional exercise with a local served agency.

Sample Certification Worksheet

County: West Lane County ARES/RACES

Date: 16 August 05

Certification Item:

Certification Level:

Not Certified Basic Intermediate Advanced

Capabilities:

X

Readiness:

X

Sustainability:

X

Training:

X

Professional Development / Cont. Ed.:

X

Exercises:

X

Certification Level: Advanced

Provisional? (Y/N) Y

Certified by:

_____ DEC-4

_____ DEC- (Adjacent District)

Attachment 1

(On ARRL Letterhead)
Sample Certification Program letter

16 August 2005

Ms. Linda Cook
Lane County Emergency Manager
Lane County Sheriffs Office
Eugene, Or. 97439

Dear Ms. Cook;

As Section Emergency Coordinator for the Amateur Radio Emergency Service (ARES) in Oregon, parts of my responsibilities are to oversee and assist the ARES/RACES programs in the Counties under my supervision.

Oregon Section ARES/RACES has instituted a certification program for our County ARES/RACES programs. We have developed certain standards in six categories that we believe are critical to our ability to provide emergency managers with useful and reliable back-up communications systems, and trained operators in numbers that are sufficient to operate them for a sustained period of time.

I am pleased to report that the West Lane County ARES/RACES program, under the leadership of Emergency Coordinator (EC) Fester Bestertester, has met or exceeded * all standards of the program. If you have not already done so, I urge you to meet soon with Fester to review the capabilities of West Lane County ARES/RACES and explore ways to integrate them into the County Emergency and/or Telecommunications Failure Plans.

If you would like more information about the Oregon ARES/RACES Certification Program, or if I can assist you in any way, please contact me at w7ih@arrl.com.

Best Regards,

Bill Morris, W7IH
Section Emergency Coordinator
Oregon Section ARES/RACES

Cy to: Fester Bestertester, W7FBT

*** Phraseology used will differ with the level of certification:**

- ...”has met all standards” is used for **Basic Certification**
- ...”has met or exceeded” is used for **provisional Intermediate Certification**
- ...”has exceeded” is used for full **Intermediate Certification**
- ...”has greatly exceeded” is used for **provisional or full Advanced Certification**

Appendix B: Draft Contents of a County Communications Plan

The County Amateur Radio Communications Plan should be the joint product of the County Emergency Manager and the County ARES/RACES Emergency Coordinator (EC) / RACES Officer (RO). It should reflect both the needs of the County Emergency Manager AND the capabilities of the local ARES/RACES Unit. Each EC/RO must be **absolutely** sure what is expected of their Unit upon activation in a real emergency.

The County ARES/RACES Communications Plan would normally appear in the County Disaster Plan as an Appendix.

The purpose of the plan is to ensure that the County Emergency Manager's requirements for backup or secondary communications by the ARES/RACES Unit are mutually agreed on to the satisfaction of both parties.

The SEC, the DEC for the District, and the OEM ARES/RACES Unit should each receive updated copies of the County ARES/RACES plan on an annual basis.

County level plans are going to vary somewhat, based on the needs of particular counties and the capabilities of each ARES/RACES Unit. There can be no 'absolute' rule, but the following considerations are offered as planning guidelines.

- a) A list of served agencies and the location(s) at which they will require service.
- b) A regularly updated list or roster showing unit personnel assignments, tactical call signs, and whatever special equipment they will require.
- c) A County/District frequency list, showing what frequency is to be used at each location. This includes packet, TelPac, and Pactor frequencies, and what frequency and mode will be used to contact surrounding Counties and OEM.
- d) The call sign and location of the County net control and the frequency or frequencies on which it will operate, as well as who is expected to be assigned the duties of net control.
- e) The call sign that will be used at the County EOC/ECC. Normally the same call sign would be used on UHF/VHF/HF voice, packet, and Pactor, so that all operators would know that they were talking to the EOC/ECC.

- f) A list of any Memoranda of Agreement, other than the ARRL national list.
- g) The procedures to be used in case the County EOC/ECC becomes unusable. Specifically, what alternative locations will operations move to, who is responsible for moving what, and what equipment is already in place at the alternative location.
- h) The procedures to be used to activate the Unit, including the sequence in which members are to be contacted, the chain-of-command for the Unit, and the order-of-succession if Unit leadership is incapacitated or otherwise unavailable.
- i) The contents of the Ready Kit of personal deployment equipment each member will need to have for a minimum 72-hour independent deployment. The contents of this Kit will vary from county to county, but there are several suggested checklists available on the Internet.
- j) Annual training plans, to include, for example, net operations, message handling (formal and informal), the use of tactical call signs, training on equipment (including digital, antenna erection, portable operations and power generation).
- k) Efforts being made to recruit, and retain, Unit members.

A District Plan, if it exists, should include:

- a) Procedures to be used by the County EC's to alert the DEC to emergent situations in the county.
- b) A frequency plan for inter-county communications.
- c) Any special measures that may be required at the District level, such as establishing a District Incident Command Post/Incident Commander.
- d) The District plan should concentrate on coordination and training matters of concern for the District.

Appendix C: Guidelines for Net Operations

At the beginning of ANY emergency situation:

Ensure that personnel and their families are safe and secure before responding as an ARES/RACES volunteer!

There are quite a few ways to operate a net. Those who have been assigned the duty as Net Control should know the procedure used for their net! This plan is not going to try and specify a single ‘right’ way to act as a Net Control, or to check in to a Net. There are, however, some Principles of Disaster Communications and Repeater Operation to keep in mind.

Principles of Disaster Communications

1. Keep the interference level down. All emergency nets should be directed or controlled nets. There should be a Net Control Station who firmly acts as the ‘traffic cop’ on the frequency. All other stations should remain silent unless they are called upon. If net participants are not SURE they should transmit, then don’t.

2. Monitor established disaster frequencies. Unit members are expected to know what frequencies will be used in their area. They should ‘come up’ on those frequencies, BUT, again, unless they have something important to contribute, they should CHECK IN, providing whatever information the Net Control is requesting, and then remain quiet.

3. Avoid spreading rumors. During and after a disaster situation people may hear almost anything. Much misinformation is transmitted. Rumors are started by exaggeration and misinterpretation. Be very careful NOT to add to, or subtract from, the official message. Remember that the media in the area of a disaster is going to be very anxious to obtain, ‘the news’, and anything that they hear might appear in the public press.

4. Authenticate all messages. Every message, which purports to be of an official nature, should be written and signed. This is easy when doing digital communications; less so when an Incident Commander turns to an ARES operator and asks them to ‘send a message’. Whenever possible, amateurs should avoid initiating disaster or emergency traffic themselves. In any event, **keep a log**. The communications agency officials served supply the content of the communications, not ARES.

5. Strive for efficiency. Know peoples limits; both in terms of operating ability and in terms of physical stamina. If people start to get overloaded, get them help.
6. Select the mode and band to suit the need. The Net Control, or supervising Communications Unit Leader should be prepared to use the band and mode most appropriate to the current communications situation. Know when to use 2-meter simplex rather than a repeater. Know when to move to a 160, 80, 60 or 40-meter frequency as propagation changes. When messages are long, or to obtain some measure of ‘transmission security’, use a digital mode.
7. Don’t ‘broadcast’. Keep transmissions short and directed to a specific station or stations. Very rarely will it be necessary to advise ‘all stations’ of the particulars of the current emergency.
8. Use communications channels intelligently. The prime objective of ARES/RACES activities is to provide a secondary means of communications to save lives and property when normal channels are not available. It is also becoming common practice to ask amateurs to operate on other than amateur frequencies and on other than amateur radio gear. Don’t be surprised to be asked to run a fire radio, a county sheriff’s radio or a FEMA radio.

Principles of Repeater Operation

1. Use minimum power. In some areas there is a risk of keying more than one repeater. Know what the CTCSS tones are for the repeaters that will be used. Remember, low power conserves batteries.
2. Use simplex whenever possible. In many cases it may be possible to use a simplex frequency at the scene of the incident, and only use a repeater for contacts outside the immediate area. Consider the use of a cross-band repeater at the scene. That way local communications can take place on, for example the 70-centimeter band, and, by turning on a CTCSS that would then cross-band into a 2-meter repeater, use the same radio for longer distance communications.
3. Observe the ‘pause’ procedure between exchanges. This allows stations with Emergency or Priority traffic to break the repeater. On linked repeater systems the pause also allows all of the linked machines to ‘key’ together so that leading words are not lost.
4. Listen much, transmit little. Check in with the Net Control when check in’s are called for. Then, listen.

5. Monitor other local ARES/RACES nets. If the capability exists, listen on more than one frequency. Another net on a different repeater might need services; but never leave a Net without first notifying Net Control of that fact.

6. Think before talking. Remember, anybody with an inexpensive public-service-band receiver can monitor what is said. Stick to the facts. Control the emotions.

7. Articulate, don't slur. Speak close to the mike. Keep the voice down, but not too soft. In an emergency situation one often tends to get excited and shout. Talk slowly and calmly. When passing traffic, remember not to speak faster than the receiving operator can write! Remember to use pro-words like 'Figures' when number follow, and 'I spell' with unusual words or even common words with more than one spelling. Use the standard phonetic alphabet!

A Note on Message Formats and Traffic Routing

Net controls will from time to time be asked to take Routine or Welfare precedence traffic. Operators acting as NCS's must remember that the dedicated purpose of ARES/RACES nets is to pass Emergency and Priority traffic as required by the governmental or non-governmental served agency. That usually means that the NCS should advise stations checking in with Routine traffic, traffic other than that of an official nature, or Health and Welfare traffic, to move off the ARES/RACES net to an NTS net. ARES/RACES net controls should know the times and frequencies of the relevant NTS nets. The most important of these nets are listed in Appendix H under Oregon Statewide HF Nets.

There are two formats in general use for formal message traffic. The traditional ARRL Radiogram format and the IC-213 format, the latter a product of the National Incident Management System (NIMS) standardized Incident Command System.

Formal traffic sent or received via the National Traffic System (NTS) over voice circuits will in most cases continue to be in the ARRL Radiogram format.

All traffic sent or received via digital means to or from a governmental served agency position operating under the Incident Command System (ICS) should be in the ICS-213 format. That is now the standard for emergency/disaster messaging when using the Incident Command System, which all governmental agencies are required to use during emergency operations.

ARES/RACES operators should never refuse to accept emergency or priority traffic regardless of the format in which it is sent!

Use of Templates for originating common emergency traffic

ICS-213 Declaration of Emergency (DOE)

Based on the State of Oregon “Emergency Declaration Guidelines for Local Elected and Appointed Officials”, November 2006, the County Emergency Manager may provide the following information in an abbreviated ICS-213 message format. This method of transmission of a DOE is particularly useful should the only means of transmittal available be over a voice net, but it is also a viable method for slow-speed digital means like Pactor 1.

“To” block: Governor, State of Oregon
Through Director, Oregon Emergency Management

“From” block: Your County Emergency Manager or other designated public official

“Message” block: (in the following order)

- A. (Name of county)
- B. (Type of incident)
- C. (Beginning date and time of incident)
- D. (Ending date and time of incident, or word “Continuing”)
- E. (Describe problem and type assistance needed for the incident)
- F. (Initial assessment of damage, number of injuries and deaths)
Note: attach an Initial Damage Assessment/SITREP Report, a separate report from this item. (see next page)
- G. (List actions pending or taken by county and other local Governments)
- H. (Date of request)
- I. (Signatures (denoted by “/S/”) of authorizing official(s))

A fully typed, complete, signed version of the DOE should also be prepared and submitted by other means as soon as they become available, i.e., Pactor 3, email, fax, or even US Mail.

ICS-213 Initial Damage Assessment/Situation Report (SITREP)

“To” block: (Agency name and office routing)

“From” block: (Your County Emergency Manager or Incident Commander)

“Message” block: (in the following order)

- A. SITREP: (The word "SITREP" is followed by the Submitting Agency name, date, and local 24 Hr. time.)
- B. CATEGORY: (Short Description of the type of SITREP.)
 - Storm
 - Flood, potential Flooding
 - Flood Response
 - Post Flood Response
 - Earthquake
 - Tsunami
 - Volcanic
 - Hurricane
 - Pollution Spill / HAZMAT
 - Tornadoes
 - Support to Law Enforcement
 - Terrorist Attack
- C. EVENT NAME: (The assigned name of the event)
- D. SEQUENCE NO.: (Use "initial" for the first report and "final" for the last. Use sequential numbers in between.)
- E. SITUATION: (A summary of the situation that answers "what", "where", and "when". This paragraph may be narrative, or in bullet form)
- F. PAST 24: (A narrative or bullet form statement of actions or activities that have taken place over the past 24 hours, or since the last SITREP.)
- G. NEXT 24: (A narrative of planned actions for the next 24 hours.)
- H. OTHER EFFORTS: (A description of efforts taken by other agencies, Governments, and organizations i.e., State, City, Military, Red Cross, FEMA, CERT, etc.)

Appendix D: The Oregon ARES Digital Network (OADN)

Purpose

The purpose of the Oregon ARES Digital Network (OADN) is to provide for the development and implementation of a statewide backup digital emergency communications network serving two primary purposes. First, the network should serve the needs of the County Emergency Manager in providing reliable digital communications between the County EOC and outside agencies, which includes Oregon Emergency Management (OEM). Ideally, this system should provide for the restoration of SMTP email to all users, since this is the most widely used record communications methodology today. Secondly, for those Counties with the need, it should provide reliable digital communications between specific locations within the County, such as evacuation centers, response agencies, incident locations and the County EOC.

Background

The OADN is a “virtual” network, not an ARES-owned or controlled physical network. It incorporates, by reference, the existing excellent packet networks of District 1 and the Southern Oregon Amateur Packet Radio Association (SOAPRA). Around Oregon, the packet network is primarily owned and operated by individual node and system operators, some of whom have associations with Oregon Section ARES/RACES, and some who do not.

OEM is one of the most important recipients of digital traffic under emergency operations in the State. Disaster declarations and Situation Reports (SITREPS) are among the most important documents that must be submitted before a County EM can request outside assistance. These are messages that are too lengthy and complicated to be passed over voice nets via ARRL Radiogram. It is therefore incumbent that the OEM ARU be equipped to receive and originate digital traffic using whatever digital system a County or any other local, State, or Federal Emergency Management Agency might employ.

Recently, the OEM ARU reordered their systems priorities. The Winlink 2000 (WL2K) digital EMCOMM system is now the primary backup system and network topology in use at OEM’s ARU. However, a gateway node, and packet station for all-RF, end-to-end terrestrial packet has been retained, and OEM’s ARU is committed to maintaining that capability for those who prefer to use legacy packet.

Please respect that the OEM ARU packet station is a mail drop, not a forwarding BBS. The OEM ARU is not equipped to handle large volumes of BBS forwarded traffic or bulletins. Occasional test messages (perhaps weekly) from County EOC packet stations are welcomed and will be replied to as soon as possible. Remember that the OEM ARU *is not* OEM; it is not manned 24/7. It is structured much like a County ARES program, with a once-monthly 2-hour meeting, and is not manned unless activated.

Recommendations

Oregon Section ARES/RACES leadership recommends that counties adopt the WL2K digital EMCOMM system, and pursue a robust legacy packet local area network.

The two systems are complimentary, not mutually exclusive. WL2K adds a layer of capability to serve your local Emergency Manager that is not possible with legacy packet; yet, legacy packet can be a more effective tool for getting hard-copy text and messages around a local impact area suffering telecommunications and/or Internet outages.

The recommendation offers several advantages:

- It integrates existing amateur radio technologies (HF transceivers, VHF/UHF transceivers, some Terminal Node Controllers (TNC), existing Windows based computer platforms) with newer but proven technologies (the Internet, new TNC's for Pactor II and III, and advances in computer programming) to provide a significantly higher performing system.
- In its fully developed form it provides client-to-client messaging using a familiar e-mail like program, Airmail, which is transparent to the end-user client and requires little or no amateur intervention.
- The installation of the additional hardware involved differs little from existing packet/Pactor systems.
- After software installation both the training of the amateur operator involved in using the system and the end-user client is minimal.
- The system is significantly more robust than legacy packet/Pactor, requiring less maintenance, training and incurring less downtime.

Matching the Winlink 2000 System to County Requirements

Each County Emergency Coordinator (EC)/RACES Officer (RO) will need to work closely with their respective County Emergency Manager to determine system requirements for their County.

Basically, four general configurations present themselves.

1. In some Counties, generally the less populated, rural and remote areas of the state, the 'last mile' capabilities of a TelPac gateway might not be useful and the primary requirement may be for a Pactor station using HF radio to connect to a site where radio traffic can be forwarded by the Internet.
2. In other Counties, where two or more communities each support a TelPac gateway in support of each other's 'last mile' requirements, they might wish to mutually support a single HF Pactor station in case the whole area loses access to the Internet and all of their messages have to be forwarded by HF radio.
3. In some of the more urbanized areas County Emergency Managers may want to take advantage of the additional ability to use VHF packet radio to send traffic within the county from specific geographic locations such as Fire Stations, Police or Sheriffs Substations, or Hospitals, or support the communications of Incident Commanders on-site at emergency locations back to the County EOC.
4. In a few Counties with extensive EOC/ECC operations the County Emergency Manager may want to have a system installed at the EOC that allows the client end-user to directly enter email-like messages without the use of an amateur operator at all, in a 'transparent to the user' system. These messages would then be routed throughout the State digital system by a combination of VHF packet, HF Pactor and the Internet with a minimum of guidance by an amateur operator.

Complete information on the Winlink system can be found at:

<http://www.winlink.org/>

For a current list of Winlink Public Mail Boxes (PMBO's)/Remote Mail Servers (RMS's) see: <http://www.winlink.org/positions/PMBOPositions.aspx>

For a current list of Winlink TelPac Gateways see:

<http://www.winlink.org/positions/telpacpos.aspx>

Appendix E: Weather, Earthquake, and Tsunami Warning Systems

There are several warning or alert systems that may provide vital information to ARES/RACES Units:

West Coast and Alaska Tsunami Warning Center

This agency is part of the National Oceanic and Atmospheric Administration and provides tsunami bulletins specific to residents along the Alaska, British Columbia and West coast of the US.

It is highly recommended that ARES/RACES units in counties along the Pacific Coast register with the West Coast and Alaska Tsunami Warning Center (WCATWC) to receive these bulletins by e-mail. Their web site is <http://wcatwc.arh.noaa.gov/watcher/tsunamiwatcher.php>

ARES/RACES/ Units with Winlink capability should register using their Winlink address, e.g., w7abc@winlink.org , and a forwarding e-mail address for the County Emergency Manager, so that they will receive the warning even if their local internet is down. Consider that if 'all else fails' this could be the only warning of an impending tsunami that a County Emergency Manager would receive.

NOAA Weather Radio All Hazards (NWR)

This is a nation wide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service office. NWR broadcasts official Weather Service warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week. This is your best source for comprehensive weather or storm related emergency information.

Stations and frequencies for Oregon are shown on the next page.

NWR Station Listing for [Oregon](#) (Hyperlink)

Call Sign	Site Name	Site Location	Frequency	Power
WNG708	Pendleton	Pendleton	162.425	80
KIH37	Palmer Butte	Brookings	162.550	1000
WNG560	Fall Mtn.	John Day	162.500	100
WNG596	Port Orford	Cape Blanco	162.425	300
WNG697	Tillamook Hospital	Mt Hebo	162.525	100
WWH29	Gleason	Heppner2	162.425	100
WNG674	Herman Peak	Florence	162.500	300
WNG559	Snowboard Ridge	Fossil	162.550	300
KHB30	Harney	Burns Butte	162.475	300
WWF80	Powell Butte	Bend/Redmond	162.500	120
WWF95	Tillamook Hospital	Tillamook	162.475	100
WWF94	Neahkahnie Mtn.	Neahkahnie	162.425	100
WXL96	Prospect Hill	Salem	162.475	1000
WXL95	Spout Springs	Spout Springs	162.400	300
KEC42	Blanton Heights	Eugene	162.400	100
WXL97	Hogback Mtn.	Klamath Falls	162.550	100
WXL85	Blackwell Hill	Medford	162.400	1000
KIH32	Noah Butte	Coos Bay	162.400	300
WWH28	Robinson Hills	Heppner	162.425	100
KIH33	Otter Rock	Newport	162.550	100
WXL98	Dodson Mtn.	Roseburg	162.550	100
KIG98	Goat Mtn.	Portland	162.550	330
WWF97	Ashland	Mt. Ashland	162.475	100
WWF57	Umatilla Ridge	Umatilla	162.500	300

County Emergency Coordinators should consider obtaining a special NOAA Weather Radio, available at such outlets as Radio Shack, which automatically notifies the user of special bulletins. Many other ARES/RACES/ Unit members should consider programming their handhelds and/mobile radios with the local NWS frequency. More information on this system is available at:

<http://www.weather.gov/nwr/>

U.S. Geological Survey Earthquake Notification Service

The U.S. Geological Survey provides an earthquake notification via the internet. ARES/RACES Units should consider registering for this service using their Winlink e-mail address. Subscription to this service can be obtained at:

<http://earthquake.usgs.gov/eqcenter/ens/>

Appendix F: **Mutual Aid & ARES Mutual Assistance Teams (ARESMAT)**

Procedures

Before implementing any request for augmentation manning, County EC's *must* obtain an incident number from their County Emergency Manager, and determine absolutely that the County will recognize the responding personnel as emergency service workers as defined in ORS 401, and to thus provide eligibility for the benefits provided for in ORS 401.355 thru 401.465. This information should be obtained, in writing if possible, and conveyed to responding personnel and applicable EC's, and DEC's concurrent with the request for augmentation manning. The requirement to register with an emergency services organization to be recognized as an emergency services worker is fulfilled by the possession of a current OEM-issued "yellow-card".

Note: Any activation of a County ARES/RACES Unit should be immediately reported to the applicable DEC and the SEC.

1. A County EC whose unit requires assistance makes their personnel and/or resource needs known to adjacent County EC's on a mutual aid request basis, keeping their DEC "in the loop" about their contacts. They are familiar with the adjacent County's leadership and personnel, and the travel time is short. Logistics requirements are minimal, since assisting members can often return home after a shift for rest and meals. Sometimes this will not be feasible due to the scale or complexity of a disaster; everyone in a large geographic area may be facing the same problems.
2. If their needs cannot be met, or only partially met by adjacent Counties, the EC contacts their DEC, who tries to round up the resources from other Counties within the District, while keeping the SEC fully apprised of the developing situation.
3. If that approach falls short, then the DEC with the need contacts the SEC, who requests mutual aid from adjacent Districts through the appropriate DEC. Finally, ARESMAT team members closest to the area of need may be asked to respond. The team will be "tailored" to include the specific skill set and equipment to best meet the requirements of the requesting EC. The initial elements of an ARESMAT team could arrive as early as 8 hours plus travel time, with additional members arriving over longer intervals. It is important for EC's in the locally affected area to be thinking ahead, and setting things in motion for augmentation manning, if needed, as soon as possible. Don't wait for your personnel to become exhausted before thinking about requesting help; it won't arrive immediately.

ARESMAT Background

A team of about 25 highly motivated and committed, technically skilled members who personally own extensive amounts of radio equipment, tools, test equipment and supplies, as well as extensive 72 hour self-support gear and supplies has been recruited. All were drawn from County ARES programs from around the State except for far-Eastern Oregon. Originally, this team was formed to provide incident communications support for the Office of the State Fire Marshal, but all have expressed a willingness to serve in an ARESMAT capacity as well, and have thus formed a “*De Facto*” Oregon Section ARESMAT resource. These volunteers understand that participation is at their personal expense, but it is incumbent upon requesting EC’s that every effort for reimbursement of expenses or “value in kind” is explored and provided if possible.

ARESMAT Team members who respond will be self-sufficient, including shelter, for 72 hours. Past that time, the requesting EC should be planning to provide logistics support for the team members (meals, shelter, water, etc.).

ARESMAT Team Members understand that they will be under the operational control of the requesting EC. ARESMAT Team Members will coordinate departure days and times with the requesting EC, and both parties are encouraged to be flexible in meeting the mission needs, and personal needs of all involved.

Many of these team members are custodians of the commercial communications equipment owned by the Office of the State Fire Marshal. The equipment includes hundreds of programmable VHF and UHF hand-held radios, power generation equipment, cross-band repeaters, antenna systems, test gear, satellite internet, WI-FI, and VOIP. Under certain circumstances, and with prior permission, this equipment may be used to support emergency operations of agencies other than the OSFM.

Individuals are recruited for the OSFM/ARESMAT program by referral from existing team members only. Basic requirements are membership in a County ARES program, possession of a current “yellow card”, and the ability to be “adopted” by a local volunteer fire department willing to support a member of the OSFM Communications Unit. Members must sign a participation agreement, be in good health, and pass an initial and annual fitness test. For more information, contact the OSFM Communications Unit Program Manager, Bruce Bjerke, k7bhb@arrl.net, or any other team member.

Appendix G: The Linked Repeater System

The linked repeater system runs both North-South across the state, roughly down the I-5 corridor, and East-West along State Highway 20 from Eugene, Bend, and Burns toward Ontario, with additional coverage in Klamath and Lake counties.

Remember that many of the sub-systems of the linked repeater system are not ARES owned and/or controlled. Using several linked repeater systems under emergency conditions, each owned and maintained by different individuals or organizations, with differing goals and levels of commitment, may turn out to be a real challenge. Do not depend on the linked repeater system to be your only or even primary means of communication for local operations, adjacent counties, or to OEM.

Information on the various components of this system can be found at the following web locations:

Oregon Repeater Relay Group, www.orlg.org/
Rogue Valley Linking Association, www.rvla.org/
High Desert Amateur Radio Group, www.hidarg.org/
Western Oregon Radio Club, www.worc.info/
Salem Repeater Association, www.w7sra.org/

ARES/RACES/ groups within range of any of these repeaters should contact their local group from the above list and make arrangements to use the linked system for emergency communications. ARES/RACES groups should also seriously consider supporting their areas system both by becoming a member of the group and by providing whatever other support may be appropriate.

A listing of the linked repeater system is shown on the following 3 pages.

Linked Repeaters

Following is a list of all repeaters that are permanently linked. **Note:** All users should read the operating procedures of the aforementioned groups before use of their systems.

Frequency	OffSet	Tone	Site Name	Elevation	City	Status	Group
441.350	+	100.0	KGW tower	1,300	Portland	Online	OC
442.800	+	100.0	Mary's Peak	4,097	Corvallis	Online	OC
147.260	+	100.0	Blanton Heights	1,100	Eugene	Online	OC
442.125	+	100.0	Coburg Ridge	2,300	Eugene	Online	OC
441.325	+	100.0	Coburg Ridge	2,300	Eugene	Online	OC
145.110	-	100.0	Hoodoo Butte	5,750	Sisters	Online	OC
441.625	+	100.0	Hoodoo Butte	5,750	Sisters	Online	OC
441.675	+	100.0	Wolf Mt.	6,400	Oakridge	Online	OC
441.650	+	100.0	Bear Mt.	3,400	Cottage G.	Online	OC
441.850	+	100.0	Lane Mt.	3,600	Roseburg	Online	OC
444.500	+	186.2	King Mt.	5,280	Wolf Creek	Online	OC
145.210	-	136.5	Chilcoot Mt.	4,986	Steamboat	Online	OC
146.920	-	100.0	Kenyon Mt.	3,250	Camas Vly	Online	OC
146.940	-	136.5	King Mt.	5,280	Wolf Creek	Online	OC
440.550	+	173.8	Onion Mt.	4,434	Grants Pass	Online	OC

442.825	+	203.5	Eight Dollar Mt.	4,001	Grants Pass	Online	OC
444.825	+	100.0	Elk Mt.	4,350	Rogue River	Online	OC
440.850	+	94.8	Fielder Mt.	3,750	Rogue River	Online	OC
145.410	-	100.0	Flounce Rock	4,250	Lost Cr Lk	Online	OC
444.975	+	131.8	Long Mt.	1,950	Eagle Point	Online	OC
441.275	+	100.0	Prospect Hill	1,200	Salem	Online	SRA
146.700	-	123.0	Table Mt.	6,113	Ashland	Online	OC
440.725	+	114.8	Mannor	1,800	Medford	Online	OC
442.300	+	123.0	Mt. Ashland	7,533	Ashland	Online	OC
147.160	+	136.5	Soda Mt.	6,097	Ashland	Online	OC
147.200	+	136.5	Chase Mt.	6,350	K-Falls	Online	OC
440.675	+	173.8	Chase Mt.	6,350	K-Falls	Online	OC
147.140	+	100.0	Odell Butte	7,056	Crescent	Online	OC
147.080	+	110.9	Grizzly Peak	7,800	Lakeview	Online	OC
145.310	-	100.0	Drakes Peak	8,222	Lakeview	Online	OC
442.075	+	77.0	Noah Butte	915	Coos Bay	Standalone	OC
147.120	+	136.5	Gunsight Peak	6,050	Yreka	Online	OC
444.475	+	100.0	Mt. Bradley	5,556	Mt Shasta	Online	OC
444.325	+	100.0	Shasta Bally	6,200	Redding	Online	OC
444.975	+	131.8	BHS	250	Brookings	Online	OC
441.225	+	100.0	Bosley Butte	3,450	Brookings	Online	OC

444.525	+	100.0	Bennett Butte	2,150	Coquille	Online	CG
440.800	+	103.5	Blossom Hill	650	Coos Bay	Online	CG
147.040	+	88.5	Iron Mt.	4,050	Port Orford	Online	CG
440.725	+	114.8	Cape Blanco	215	Port Orford	Online	CG
444.175	+	141.8	Johns Peak	2,640	Medford	Online	OC
146.800	-	100.0	Dead Indian	7,056	Silver Lake	Online	OC
145.330	-	186.2	Prospect Hill	1,200	Salem	Online	SRA

Appendix H

Oregon Section ARES ID “White Card” Policy and Procedures

Purpose:

The purpose of this written policy directive is to establish the procedures used to issue and control secondary ID cards such as the ARRL ARES Membership ID Card, FSD224 (“White Card”).

Procedures:

The State of Oregon OEM issued RACES ID card (“Yellow Card”) is, and will remain, the standard, primary and preferred means of identification for Oregon Section ARES/RACES members. The “yellow card” serves two very important functions that cannot be accomplished by any other ID card system:

1. It meets the requirements for registration with a governmental emergency services organization, which is a condition for dual membership in ARES and RACES.

2. It is evidence that the individual has passed a background check that meets the minimum requirements agreed to by Emergency Manager members of the Oregon Emergency Management Association (OEMA).

From time to time, however, County EC’s may want to extend membership to individuals, who, for various reasons, may not pass a background check, or who cannot meet the training or participation requirements of the primary ARES program in the County. These individuals may possess skills and/or experience that may still be useful in carrying out some aspects of the County ARES mission. Often, County EC’s may refer to this group of people in terms like the “ARES Auxiliary” or something similar.

For this group of ARES participants, The ARRL ARES Membership “White Card” shall be used as a means of identification, but only under the following issue and control procedures, and only after the following modifications have been made to the standard ARRL printed card:

1. A photo of the individual must be affixed to the front of the card; this is ***not optional***, despite what the printed card blank says.

2. The individuals name must be typed, or machine printed (not hand-printed) on the line directly below the words “This certifies that”.
3. The EC must sign the card where indicated on the front.
4. In the blank area of the reverse side of the card, type or machine print the following:

“This card is the property of (your) County ARES/RACES, not the bearer. It is to be surrendered to the issuing EC when expired, or upon termination of your association with (your) County ARES RACES.”
5. The card must be signed by the individual where indicated on the reverse.
6. An expiration date not more than 2 years hence must be entered where indicated on the reverse.
7. The card must be laminated in a sealed, durable plastic sleeve.
8. The card is issued by the EC to the ARES member, and a roster is kept of the people to whom the card has been issued along with the expiration date.
9. The ARRL ARES “White Card” does not permit the bearer to enter controlled areas without the escort of a “yellow card” holder, and then only if permitted under local served agency policy.

Any currently outstanding ARRL ARES “White Card” ID that does not fully comply with the above requirements must be recovered and reissued. Please complete this process as quickly as possible.

Section II

Statewide Communications Plan

State and County Frequencies, Repeaters and Call Signs

State and County Frequencies, Repeaters and Call Signs

Statewide Frequencies for ARES/RACES Operations

Oregon ARES/RACES statewide 2 meter Simplex Frequency **146.460**

The statewide linked repeater system uses several VHF/UHF repeaters. See Appendix G for more information on this system.

1.978 MHz	Winter Nighttime
3.964 MHz	Primary Nighttime Net Frequency
7.248 MHz	Primary Daytime Net Frequency
5.346.5 MHz USB	EOC to EOC Communications; Limit ERP to 50 W

Oregon State Wide HF Nets (Times local)

ARES/RACES Net	3.964	1 st & 3 rd Tuesdays	1730
Beaver State Net	3.920	Daily	1745
Oregon NTS Traffic Net	3.993.5	Daily	1730
Oregon Emergency Net	3.980	Daily	1800 and 1900
Oregon Section Net	3.587	Daily	1830 and 2200
Oregon Weather Net	3.990	Daily	0800
Southern Oregon VHF Emergency Net Linked Repeater System		Monday	2000

Oregon Emergency Management ARU:

Following are the frequencies and modes that the OEM Amateur Radio Unit would usually watch during an emergency. Other frequencies might be used depending on specific location requirements:

Repeaters:

District 1 Net: 147.32 +

District 2: into Deschutes County via the Mt. Hood Linked Repeater

District 4 Net: (and Coos County) 146.780 -

OEM cannot reach Districts 3, 5 (except for Coos County) or 6 directly via VHF/UHF.

Local access to State Linked Repeater System: 441.275 + W7SRA

HF Frequencies:

Voice Call Sign Used: W7OEM

1.978 MHz LSB

3.964 MHz LSB

5.346.5 MHz USB, 50 Watt ERP ONLY

7.248 MHz LSB

(Depending on time of day; not all frequencies in use at all times)

Digital:

Packet Address for W7OEM: W7OEM@W7OEM

Local VHF packet node for access to W7OEM: WSTPLK (W7OEM-5)

SMTP email address for Winlink delivery: w7oem-1@winlink.org

SMTP email address for Internet delivery: w7oem@oem.state.or.us

Direct Factor capability: I, II or III on: "Center" 3591 & 7103.3 KHz. USB

Telephone number of the OEM ARU Radio Room (during exercises and actual activations only): 503-378-2911 EXT 22270 or 22271.

**NOTE: The OEM Duty Officer can be reached at: 503-378-6377 DURING EMERGENCIES ONLY:
*This number is not to be used during drills or exercises***

Clackamas County Information District 1

Primary Repeater: 147.120 + Tone: Call sign: K7RPT

Secondary Repeater: 147.140 + Tone: 107.2 Call sign: W7AC

Other Repeater(s): 146.960 - Tone: Call sign: W7OTV

Primary Simplex Freq: 146.415

Access to State Linked Repeater System: N Freq. if yes:

County ARES Net: Day(s) Sun. Time: 1900 Frequency: 147.120

County HF Freq(s)(if used):

HF/VHF/UHF Voice Call Sign at or used by EOC: KD7ZDO

Packet Add/Call Sign used for traffic to EOC: kd7zdo@kd7zdo.or.us.noam

VHF/UHF packet frequency used by EOC: 145.770

What is the node route path used to send traffic to OEM: KA7IJK

Winlink e-mail address:

What is the call sign of the County TelPac node: Freq:

What other TelPac nodes can the unit reach:

What Pactor capability does the Unit have:

What is the call sign used:

Does ARES/RACES have Internet access at the EOC: Y

SMTP email address for ARES/RACES at the County EOC:

Telephone number at the County EOC: 503-650-3350

Best Telephone/Cell phone/Pager number to reach the EC: 503-320-3448

Clatsop County Information District 1

Primary Repeater: 146.660 - Tone: 118.8 Call sign: W7FBM

Secondary Repeater: 145.450 - Tone: 118.8 Call sign: KA7AHV

Other Repeater(s): 440.925 + Tone: 100 Call sign: N7BAG

Primary Simplex Freq: 146.580 South County 147.580 North County

Access to State Linked Repeater System: N Freq. if yes:

County ARES Net: Day(s) Mon. Time: 1900 Frequency: 146.660

County HF Freq(s)(if used):

HF/VHF/UHF Voice Call Sign at or used by EOC: W7BU

Packet address/Call Sign used for traffic to EOC: W7BU-6 via AST

VHF/UHF packet frequency used by EOC: 144.930

What is the node route path used to send traffic to OEM: AST - YSSMB

Winlink e-mail address: w7bu@winlink.org

What is the call sign of the County TelPac node: W7BU-10 Freq: 144.960

What other TelPac nodes can the unit reach: KD7IBA-10

What Pactor capability does the Unit have: I

What is the call sign used: W7BU

Does ARES/RACES have Internet access at the EOC: Y

SMTP email address for ARES/RACES at the County EOC:

Telephone number at the County EOC: 503-325-8645

Best Telephone/Cell phone/Pager number to reach the EC: 503-338-7428

Columbia County Information

District 1

Primary Repeater: 146.880 - Tone: 114.8 Call sign: KC7TLZ

Secondary Repeater: 444.625 + Tone: 114.8 Call sign: KC7TLZ

Other Repeater(s): 441.925 + Tone: 114.8 Call sign: KC7TLZ

Primary Simplex Freq: 147.470

Access to State Linked Repeater System: N Freq. if yes:

County ARES Net Day(s): Tue. Time: 1900 Frequency: 146.880

County HF Freq(s) (if used):

HF/VHF/UHF Voice Call Sign at or used by EOC: KC7TLZ

Packet Add/Call Sign used for traffic to EOC: KC7TLZ-1

VHF/UHF packet frequency used by EOC: 146.510 & 144.990

What is the node route path used to send traffic to OEM:

Winlink e-mail address:

What is the call sign of the County TelPac node: Freq:

What other TelPac nodes can the unit reach:

What Pactor capability does the Unit have:

What is the call sign used:

Does ARES/RACES have Internet access at the EOC: N

SMTP email address for ARES/RACES at the County EOC:

Telephone number at the County EOC: 503-366-3905

Best Telephone/Cell phone/Pager number to reach the EC: 503-397-0442

Multnomah/PDX County Information District 1

Primary Repeater: 146.840 - Tone: Call sign: W7LT

Secondary Repeater: 147.280 + Tone: 167.4 Call sign: WB7QWI

Other Repeater(s): 147.320 + Tone: Call sign: K7RPT

Primary Simplex Freq: 146.520

Access to State Linked Repeater System: N Freq. if yes:

County ARES Net: Day(s) Wed. Time: 1900 Frequency: 146.840

County HF Freq(s): (if used)

HF/VHF/UHF Voice Call Sign at or used by PDX EOC: K7EOC

Packet address/Call Sign used for traffic to PDX EOC: K7EOC-1

VHF/UHF packet frequency used by PDX EOC: 145.070

What is the node route path used to send traffic to OEM: PDX7

Winlink e-mail address:

What is the call sign of the County TelPac node:

What other TelPac nodes can the unit reach:

What Pactor capability does the Unit have:

What is the call sign used:

Does ARES/RACES have Internet access at the PDX EOC: Y

SMTP email address for ARES/RACES at the PDX EOC:

Telephone number at the County EOC:

Best Telephone/Cell phone/Pager number to reach the EC: 503-760-1406

Tillamook County Information

District 1

Primary Repeater: 147.220 + Tone: 100 Call sign: W7LI

Secondary Repeater: 147.160 + Tone: 118.8 Call sign: KA7AHV

Other Repeater(s): 147.320 + Tone: Call sign: K7RPT

Primary Simplex Freq: 146.550

Access to State Linked Repeater System: Y Freq. if yes:

County ARES Net: Day(s) Thu. Time: 1900 Frequency: 147.220

County HF Freq(s)(if used): 3993.5, 7248 KHz.

HF/VHF/UHF Voice Call Sign at or used by EOC: KB7EOC

Packet address/Call Sign used for traffic to EOC:

VHF/UHF packet frequency used by EOC:

What is the node route path used to send traffic to OEM:

Winlink e-mail address:

What is the call sign of the County TelPac node:

What other TelPac nodes can the unit reach:

What Pactor capability does the Unit have:

What is the call sign used:

Does ARES/RACES have Internet access at the EOC: Y

SMTP email address for ARES/RACES at the County EOC:

Telephone number at the County EOC: 503-842-3412

Best Telephone/Cell phone/Pager number to reach the EC: 503-801-4889

Washington County Information District 1

Primary Repeater: 146.900 - Tone: Call sign: K7WWG

Secondary Repeater: 147.360 + Tone: 107.2 Call sign: WC7EOC

Other Repeater(s): 440.350 + Tone: 127.3 Call sign: KB7OYI

Primary Simplex Freq: 147.400

Access to State Linked Repeater System: Y Freq. if yes:

County ARES Net Day(s): Tue. Time: 1900 Frequency: 146.900

County HF Freq(s) (if used):

HF/VHF/UHF Voice Call Sign at or used by EOC: KD7REX

Packet Add/Call Sign used for traffic to EOC: kd7rex@kd7rex.or.us.noam

VHF/UHF packet frequency used by EOC: 441.525 1200 baud

What is the node route path used to send traffic to OEM: K7IQI - Salem

Winlink e-mail address:

What is the call sign of the County TelPac node: Freq:

What other TelPac nodes can the unit reach:

What Pactor capability does the Unit have:

What is the call sign used:

Does ARES/RACES have Internet access at the EOC: N

SMTP email address for ARES/RACES at the County EOC:

Telephone number at the County EOC:

Best Telephone/Cell phone/Pager number to reach the EC: 503-649-2469

Crook County Information

District 2

Primary Repeater: 147.380 + Tone: 162.2 Call sign: KA7HAM

Secondary Repeater: 147.360 + Tone: None Call sign: KB7LNR

Other Repeater(s): 146.700 - Tone: None Call sign: K7YRU

Primary Simplex Freq: 146.52

Access to State Linked Repeater System: Y Freq. if yes: 441.625

County ARES Net Day(s): Mon. Time: 7:00 PM Frequency: 147.380

County HF Freq(s): (if used)

HF/VHF/UHF Voice Call Sign at or used by County EOC:

Packet address/Call Sign used for traffic to County EOC:

VHF/UHF packet frequency used by County EOC:

What is the node route path used to send traffic to OEM:

Winlink e-mail address:

What is the call sign of the County TelPac node: Freq.

What other TelPac nodes can the unit reach:

What Pactor capability does the Unit have:

What is the call sign used:

Does ARES/RACES have Internet access at the County EOC:

SMTP email address for ARES/RACES at the County EOC:

Telephone number at the County EOC: Dispatch: 541- 447- 4168

Best Telephone/Cell phone/Pager number to reach the EC: 541-447-6810

Deschutes County Information District 2

Primary Repeater: 147.360 + Tone: Call sign: KB7LNR

Secondary Repeater: 145.450 - Tone: Call sign: K9TKR

Other Repeater(s): 146.900 - Tone: 123.0 Call sign: KK7TT

Primary Simplex Freq: 146.520

Access to State Linked Repeater System: Y Freq. if yes: 441.625

County ARES Net Day(s): Sun. Time: 2000 Frequency: 147.360 +

County HF Freq(s) (if used): 3.993.5, 7.248 KHz., 14.265 MHz.

HF/VHF/UHF Voice Call Sign at or used by County EOC: W7PDQ

Packet address/Call Sign used for traffic to County EOC:

VHF/UHF packet frequency used by County EOC:

What is the node route path used to send traffic to OEM:

Winlink e-mail address: w7pdq@winlink.org

What is the call sign of the County TelPac node: W7PDQ-10 Freq: 145.03

What other TelPac nodes can the unit reach:

What Pactor capability does the Unit have: I

What is the call sign used: W7PDQ

Does ARES/RACES have Internet access at the County EOC: No

SMTP email address for ARES/RACES at the County EOC:

Telephone number at the County EOC:

Best Tel/Cell /Pager number to reach the EC: 541-617-3014

Hood River County Information District 2

Primary Repeater: _____ Tone: _____ Call sign: _____

Secondary Repeater: _____ Tone: _____ Call sign: _____

Other Repeater(s): _____ Tone: _____ Call sign: _____

Primary Simplex Freq: _____

Access to State Linked Repeater System: Y/N Freq. if yes: _____

County ARES Net Day: _____ Time: _____ Frequency: _____

County _____ (s if used): _____

HF/VHF/UHF Voice Call Sign at or used by County EOC: _____

Packet address/Call Sign used for traffic to County EOC: _____

VHF/UHF packet frequency used by County EOC: _____

What is the node route path used to send traffic to OEM: _____

Winlink e-mail address: _____

What is the call sign of the County TelPac node: _____ Freq. _____?

What other TelPac nodes can the unit reach: _____

What Pactor capability does the Unit have: I ___ II ___ III ___ none ___

What is the call sign used: _____

Does ARES/RACES have Internet access at the County EOC: Y/N ___

SMTP email address for ARES/RACES at the County EOC: _____

Telephone number at the County EOC: _____

Best Telephone/Cell phone/Pager number to reach the EC: _____

Jefferson County Information

District 2

Primary Repeater: _____ Tone: _____ Call sign: _____

Secondary Repeater: _____ Tone: _____ Call sign: _____

Other Repeater(s): _____ Tone: _____ Call sign: _____

Primary Simplex Freq: _____

Access to State Linked Repeater System: Y/N Freq. if yes: _____

County ARES Net Day: _____ Time: _____ Frequency: _____

County _____ (s if used): _____

HF/VHF/UHF Voice Call Sign at or used by County EOC: _____

Packet address/Call Sign used for traffic to County EOC: _____

VHF/UHF packet frequency used by County EOC: _____

What is the node route path used to send traffic to OEM: _____

Winlink e-mail address: _____

What is the call sign of the County TelPac node: _____ Freq. _____?

What other TelPac nodes can the unit reach: _____

What Pactor capability does the Unit have: I ___ II ___ III ___ none ___

What is the call sign used: _____

Does ARES/RACES have Internet access at the County EOC: Y/N ___

SMTP email address for ARES/RACES at the County EOC: _____

Telephone number at the County EOC: _____

Best Telephone/Cell phone/Pager number to reach the EC: _____

Sherman County Information

District 2

Primary Repeater: _____ Tone: _____ Call sign: _____

Secondary Repeater: _____ Tone: _____ Call sign: _____

Other Repeater(s): _____ Tone: _____ Call sign: _____

Primary Simplex Freq: _____

Access to State Linked Repeater System: Y/N _____ Freq. if yes: _____

County ARES Net Day(s): _____ Time: _____ Frequency: _____

County ARES Net (if used): _____

HF/VHF/UHF Voice Call Sign at or used by County EOC: _____

Packet address/Call Sign used for traffic to County EOC: _____

VHF/UHF packet frequency used by County EOC: _____

What is the node route path used to send traffic to OEM: _____

Winlink e-mail address: _____

What is the call sign of the County TelPac node: _____ Freq. _____?

What other TelPac nodes can the unit reach: _____

What Pactor capability does the Unit have: I ___ II ___ III ___ none ___

What is the call sign used: _____

Does ARES/RACES have Internet access at the County EOC: Y/N _____

SMTP email address for ARES/RACES at the County EOC: _____

Telephone number at the County EOC: _____

Best Telephone/Cell phone/Pager number to reach the EC: _____

Wasco County Information District 2

Primary Repeater: 146.820 - Tone: 82.5 Call sign: KF7LN

Secondary Repeater: 147.260 + Tone: 82.5 Call sign: KE7EEM

Other Repeater(s): 147.100 + Tone: 100 Call sign: N7ELU

Primary Simplex Freq: 146.460

Access to State Linked Repeater System: N Freq. if yes: _____

County ARES Net Day(s): Tue. Time: 19:30 Frequency: 146.820

County HF Freq(s) (if used): 3964 KHz.

HF/VHF/UHF Voice Call Sign at or used by County EOC: KE7EEM

Packets add. used for traffic to County EOC: ke7eem@kf7ln.or.usa.noam

VHF/UHF packet frequency used by County EOC: 145.030

What is the node route path used to send traffic to OEM: N7QDN

Winlink e-mail address: ke7eem-8@winlink.org

What is the call sign of the County Telpac node: KE7EEM-10 Freq: 145.030

What other TelPac nodes can the unit reach?

What Pactor capability does the Unit have (All)

What is the call sign used: KE7EEM

Does ARES/RACES have Internet access at the County EOC: YES

SMTP email for ARES/RACES at the County EOC:

Telephone number at the County EOC: 541-506-2790

Best Telephone/Cell phone/Pager number to reach the EC: 541-980-5975

Gilliam County Information District 3

Primary Repeater: _____ Tone: _____ Call sign: _____

Secondary Repeater: _____ Tone: _____ Call sign: _____

Other Repeater(s): _____ Tone: _____ Call sign: _____

Primary Simplex Freq: _____

Access to State Linked Repeater System: Y/N _____ Freq. if yes: _____

County ARES Net Day(s) _____ Tone: _____ Frequency: _____

County _____ (if used): _____

HF/VHF/UHF Voice Call Sign at or used by County EOC: _____

Packet address/Call Sign used for traffic to County EOC: _____

VHF/UHF packet frequency used by County EOC: _____

What is the node route path used to send traffic to OEM: _____

Winlink e-mail address: _____

What is the call sign of the County TelPac node: _____ Freq. _____?

What other TelPac nodes can the unit reach: _____

What Pactor capability does the Unit have: I ___ II ___ III ___ none ___

What is the call sign used: _____

Does ARES/RACES have Internet access at the County EOC: Y/N _____

SMTP email address for ARES/RACES at the County EOC: _____

Telephone number at the County EOC: _____

Best Telephone/Cell phone/Pager number to reach the EC: _____

Morrow County Information District 3

Primary Repeater: 146.780 - Tone: 67.0 Call sign: KC7SOY

Secondary Repeater: Tone: Call sign:

Other Repeater(s): Tone: Call sign:

Primary Simplex Freq: 146.460

Access to State Linked Repeater System: N Freq. if yes: _____

County ARES Net: Day(s) Thurs. Time: 1930 Frequency: 146.780

County HF Freq(s): (if used)

HF/VHF/UHF Voice Call Sign at or used by County EOC: KC7SOY

Packet address/Call Sign used for traffic to County EOC:

VHF/UHF packet frequency used by County EOC: 145.230

What is the node route path used to send traffic to OEM:

Winlink e-mail address: kc7soy@winlink.org,

What is the call sign of the County TelPac node: KC7SOY-10 Freq.145.230

What other TelPac nodes can the unit reach: N7ZHG-10

What Pactor capability does the Unit have: I

What is the call sign used: KC7SOY

Does ARES/RACES have Internet access at the County EOC: Y

SMTP email address for ARES/RACES at the County EOC:

Telephone number at the County EOC: 541-676-5161

Best phone/Cell phone/Pager number to reach the EC: 541-571-4565

Umatilla County Information District 3

Primary Repeater: 146.780 - Tone: 67.0 Call sign: KC7SOY

Secondary Repeater: 147.160 + Tone: Call sign: KC7KUG

Other Repeater(s): 145.490 - Tone: 67.0 Call sign: KC7RWC

Primary Simplex Freq: 146.460

Access to State Linked Repeater System: N Freq. if yes:

County ARES Net: Day(s) Thurs. Time: 1930 Frequency: 146.780

County HF Freq(s): (if used) NONE

HF/VHF/UHF Voice Call Sign at or used by County EOC: KC7RWC

Packet address/Call Sign used for traffic to County EOC:

VHF/UHF packet frequency used by County EOC: 145.230

What is the node route path used to send traffic to OEM:

Winlink e-mail address: kc7rwc@winlink.org,

What is the call sign of the County TelPac node: N7ZHG-10 Freq. 145.230

What other TelPac nodes can the unit reach: KC7SOY-10, WA7V-10

What Pactor capability does the Unit have: I

What is the call sign used: KC7RWC

Does ARES/RACES have Internet access at the County EOC: Y

SMTP email addr. for ARES/RACES at the County EOC: ares@csepp.net

Telephone number at the County EOC: 541-966-3746

Best phone/Cell phone/Pager number to reach the EC: 541-571-4565

Union County Information

District 3

Primary Repeater: 146.980 - Tone: Call sign: W4PJS

Secondary Repeater: 146.800 - Tone: 100 Call sign: WA7SDV

Other Repeater(s): Tone: Call sign:

Primary Simplex Freq: 146.520

Access to State Linked Repeater System: N Freq. if yes:

County ARES Net: Day(s) Wed. Time: 1930 Frequency: 146.980

County HF Freq(s): (if used)

HF/VHF/UHF Voice Call Sign at or used by County EOC:

Packet address/Call Sign used for traffic to County EOC:

VHF/UHF packet frequency used by County EOC:

What is the node route path used to send traffic to OEM:

Winlink e-mail address:

What is the call sign of the County TelPac node: Freq.

What other TelPac nodes can the unit reach:

What Pactor capability does the Unit have:

What is the call sign used:

Does ARES/RACES have Internet access at the County EOC: N

SMTP email addr. for ARES/RACES at the County EOC:

Telephone number at the County EOC: 541-963-1049

Best phone/Cell phone/Pager number to reach the EC: 541-963-3953

Wallowa County Information District 3

Primary Repeater: 146.800 - Tone: 100 Call sign: WA7SDV

Secondary Repeater: Tone: Call sign:

Other Repeater(s): Tone: Call sign:

Primary Simplex Freq: 146.540

Access to State Linked Repeater System: N Freq. if yes:

County ARES Net: Day(s) Tue. Time: 1900 Frequency: 146.540

County HF Freq(s) (if used):

HF/VHF/UHF Voice Call Sign at or used by County EOC:

Packet address/Call Sign used for traffic to County EOC:

VHF/UHF packet frequency used by County EOC:

What is the node route path used to send traffic to OEM:

Winlink e-mail address:

What is the call sign of the County TelPac node: Freq.

What other TelPac nodes can the unit reach:

What Pactor capability does the Unit have:

What is the call sign used:

Does ARES/RACES have Internet access at the County EOC: N

SMTP email address for ARES/RACES at the County EOC:

Telephone number at the County EOC: 541-426-4543 Ext. 48

Best phone/Cell phone/Pager number to reach the EC: 541-432-7535

Wheeler County Information District 3

Primary Repeater: _____ Tone: _____ Call sign: _____

Secondary Repeater: _____ Tone: _____ Call sign: _____

Other Repeater(s): _____ Tone: _____ Call sign: _____

Primary Simplex Freq: _____

Access to State Linked Repeater System: Y/N Freq. if yes: _____

County ARES Net Day(s) _____ Tone: _____ Frequency: _____

County _____ (if used): _____

HF/VHF/UHF Voice Call Sign at or used by County EOC: _____

Packet address/Call Sign used for traffic to County EOC: _____

VHF/UHF packet frequency used by County EOC: _____

What is the node route path used to send traffic to OEM: _____

Winlink e-mail address: _____

What is the call sign of the County TelPac node: _____ Freq. _____?

What other TelPac nodes can the unit reach: _____

What Pactor capability does the Unit have: I ___ II ___ III ___ none ___

What is the call sign used: _____

Does ARES/RACES have Internet access at the County EOC: Y/N _____

SMTP email address for ARES/RACES at the County EOC: _____

Telephone number at the County EOC: _____

Best Telephone/Cell phone/Pager number to reach the EC: _____

Benton County Information District 4

Primary Repeater: 147.160 + Tone: 100 Call sign: W7OSU

Secondary Repeater: 146.780 - Tone: Call sign: W7QH

Other Repeater(s): 442.300 + Tone: 162.2 Call sign: N8GFO

Primary Simplex Freq: 147.510

Access to State Linked Repeater System: Y Freq. if yes: 442.800

County ARES Net Day(s): Tue. Time: 1945 Frequency: 147.160

County HF Freq(s): (if used)

HF/VHF/UHF Voice Call Sign at or used by County EOC: K7CVO

Packet address/Call Sign used for traffic to County EOC: K7CVO

VHF/UHF packet frequency used by County EOC: 144.970

What is the node route path used to send traffic to OEM: LYONS

Winlink e-mail address: k7cvo@winlink.org

What is the call sign of the County TelPac node: N8GFO-10 Freq: 144.970

What other TelPac nodes can the unit reach: N7XG-10, W7AEP-10

What Pactor capability does the Unit have:

What is the call sign used:

Does ARES/RACES have Internet access at the County EOC: N

SMTP email address for ARES/RACES at the County EOC:

Telephone number at the County EOC:

Best Telephone/Cell phone/Pager number to reach the EC: 541-760-2999

Lane County Information

District 4

Primary Repeater: 146.680 - Tone: 100 Call sign: W7WTQ

Secondary Repeater: 146.720 - Tone: 100 Call sign: W7PXL

Other Repeater(s): 146.630 - Tone: 100 Call sign: W7ARD

Primary Simplex Freq: 147.550

Access to State Linked Repeater System: Y Freq. if yes: 442.125

County ARES Net: Day(s) _____ Time: _____ Frequency: _____

County HF Freq(s): (if used)

HF/VHF/UHF Voice Call Sign at or used by County EOC: W7EUG

Packet address/Call Sign used for traffic to County EOC: W7EUG-3

VHF/UHF packet frequency used by County EOC: 145.06

What is the node route path used to send traffic to OEM: Lane – W7OEM

Winlink e-mail address:

What is the call sign of the County TelPac node: K7BHB-10 Freq: 145.030

What other TelPac nodes can the unit reach: W7FLO-10

What Pactor capability does the Unit have: None

What is the call sign used:

Does ARES/RACES have Internet access at the County EOC: No

SMTP email address for ARES/RACES at the County EOC:

Telephone number at the County EOC: 541-682-4141

Best Telephone/Cell phone/Pager number to reach the EC: 541-521-9383

Lincoln County Information District 4

Primary Repeater: _____ Tone: _____ Call sign: _____

Secondary Repeater: _____ Tone: _____ Call sign: _____

Other Repeater(s): _____ Tone: _____ Call sign: _____

Primary Simplex Freq: _____

Access to State Linked Repeater System: Y/N _____ Freq. if yes: _____

County ARES Net Day(s) _____ Tone: _____ Frequency: _____

County _____ (if used): _____

HF/VHF/UHF Voice Call Sign at or used by County EOC: _____

Packet address/Call Sign used for traffic to County EOC: _____

VHF/UHF packet frequency used by County EOC: _____

What is the node route path used to send traffic to OEM: _____

Winlink e-mail address: _____

What is the call sign of the County TelPac node: _____ Freq. _____?

What other TelPac nodes can the unit reach: _____

What Pactor capability does the Unit have: I ___ II ___ III ___ none ___

What is the call sign used: _____

Does ARES/RACES have Internet access at the County EOC: Y/N _____

SMTP email address for ARES/RACES at the County EOC: _____

Telephone number at the County EOC: _____

Best Telephone/Cell phone/Pager number to reach the EC: _____

Linn County Information District 4

Primary Repeater: 146.610 - Tone: Call sign: KA7ENW

Secondary Repeater: 146.780 - Tone: Call sign: W7QH

Other Repeater(s): 145.170 - Tone: 100 Call sign:

Primary Simplex Freq: 146.500

Access to State Linked Repeater System: N Freq. if yes:

County ARES Net Day(s): Mon. Time: 7:00PM Frequency: 146.610

County HF Freq(s)(if used): 3964 KHz.

HF/VHF/UHF Voice Call Sign at or used by County EOC: W7AEP

Packet address/Call Sign used for traffic to County EOC: W7AEP-1

VHF/UHF packet frequency used by County EOC: 145.950

What is the node route path used to send traffic to OEM: Lyons – W7OEM

Winlink e-mail address: w7aep@winlink.org

What is the call sign of the County TelPac node: W7AEP-10 Freq. 144.950

What other TelPac nodes can the unit reach: WS3X-10, N8GFO-10

What Pactor capability does the Unit have:

What is the call sign used:

Does ARES/RACES have Internet access at the County EOC: N

SMTP email address for ARES/RACES at the County EOC:

Telephone number at the County EOC:

Best Telephone/Cell phone/Pager number to reach the EC: 541-760-4704

Marion County Information District 4

Primary Repeater: 145.290 - Tone: Call sign: WA7ABU

Secondary Repeater: 146.780 - Tone: Call sign: W7QH

Other Repeater(s): Tone: Call sign:

Primary Simplex Freq: 146.460

Access to State Linked Repeater System: N Freq. if yes: _____

County ARES Net: Day(s) Time: _____ Frequency: _____

County HF Freq(s): (if used)

HF/VHF/UHF Voice Call Sign at or used by County EOC: K7MAR

Packet address/Call Sign used for traffic to County EOC:

VHF/UHF packet frequency used by County EOC:

What is the node route path used to send traffic to OEM: Direct W7OEM

Winlink e-mail address: k7mar@winlink.org

What is the call sign of the County TelPac node: Freq.

What TelPac nodes can the unit reach: W7OEM-10, N7XG-10, WS3X-10

What Pactor capability does the Unit have:

What is the call sign used:

Does ARES/RACES have Internet access at the County EOC: Y

SMTP email address for ARES/RACES at the County EOC:

Telephone number at the County EOC: 503-588-5108

Best Telephone/Cell phone/Pager number to reach the EC: 541-291-8470

Polk County Information District 4

Primary Repeater: 147.02 + Tone: 186.2 Call sign: W7SRA

Secondary Repeater: 146.86 - Tone: 186.2 Call sign: W7SRA

Other Repeater(s): 145.33 - Tone: 186.2 Call sign: W7SRA

Primary Simplex Freq: 146.50

Access to State Linked Repeater System: Y Freq. if yes: 145.330

County ARES Net: Day(s) Mon & Thu; Time: 1830 Frequency: 146.860

County HF Freq(s): (if used) 3964 & 7248 KHz.

HF/VHF/UHF Voice Call Sign at or used by County EOC: W7PLK

Packet address/Call Sign used for traffic to County EOC: W7PLK

VHF/UHF packet frequency used by County EOC: 145.950

What is the node route path used to send traffic to OEM: WSTPLK

Winlink e-mail address: w7plk@winlink.org

What is the call sign of the County TelPac node: _____ Freq. _____?

What other TelPac nodes can the unit reach: N7XG-10

What Pactor capability does the Unit have: none

What is the call sign used:

Does ARES/RACES have Internet access at the County EOC: N

SMTP email address for ARES/RACES at the County EOC:

Telephone number at the County EOC: 503-831-1762

Best Telephone/Cell phone/Pager number to reach the EC: 503-559-7837

West Lane County Information District 4

Primary Repeater: 146.800 - Tone: 100 Call sign: W7FLO

Secondary Repeater: 442.575 + Tone: 100 Call sign: W7FLO

Other Repeater(s): 146.780 - Tone: Call sign: W7QH

Primary Simplex Freq: 146.460

Access to State Linked Repeater System: N Freq. if yes:

County ARES Net: Day(s) Time: Frequency:

County HF Freq(s): (if used)

HF/VHF/UHF Voice Call Sign at or used by County EOC: W7FLO

Packet address/Call Sign used for traffic to County EOC: W7FLO@W7FLO

VHF/UHF packet frequency used by County EOC: 144.950

What is the node route path used to send traffic to OEM: Lane – W7OEM

Winlink e-mail address: w7flo@winlink.org

What is the call sign of the County TelPac node: W7FLO-10 Freq: 144.950

What other TelPac nodes can the unit reach: K7BHB-10, KE7FXL-10

What Pactor capability does the Unit have: All 3

What is the call sign used: W7FLO

Does ARES/RACES have Internet access at the County EOC: Y

SMTP email address for ARES/RACES at the County EOC:

Telephone number at the County EOC: 541-997- 3515

Best Telephone/Cell phone/Pager number to reach the EC: 541-902-1003

Yamhill County Information District 4

Primary Repeater: 441.800 Tone: 100 Call sign: KD7SRE

Secondary Repeater: 146.640 Tone: Call sign: W7RXJ

Other Repeater(s): 145.490 Tone: Call sign: K7FM

Primary Simplex Freq: 147.480

Access to State Linked Repeater System: NO Freq. if yes:

County ARES Net Day(s): Tue. Time: 19:30 Frequency: 441.800

County HF Freq(s): (if used)

HF/VHF/UHF Voice Call Sign at or used by County EOC: KD7SRE

Packet address/Call Sign used for traffic to County EOC: KD7SRE

VHF/UHF packet frequency used by County EOC: 144.920

What is the node route path used to send traffic to OEM: KG7LX - W7OEM

Winlink e-mail address: kd7sre@winlink.org

What is the call sign of the County TelPac node: AB7ZQ-10 Freq. 144.920

What other TelPac nodes can the unit reach:

What Factor capability does the Unit have:

What is the call sign used:

Does ARES/RACES have Internet access at the County EOC: N

SMTP email address for ARES/RACES at the County EOC:

Telephone number at the County EOC: 503-434-7340

Best Phone/Cell/Pager number to reach the EC: 503-880-0432

Coos County Information

District 5

Primary Repeater: 146.610 - Tone: Call sign: K7CCH

Secondary Repeater: 147.280 + Tone: 146.2 Call sign: W7OC

Other Repeaters: 147.190 + Tone: 146.2 Call sign: W7OC

Primary Simplex Freq: 146.520

Access to State Linked Repeater System: Y Freq. if yes: 442.075

County ARES Net Day(s): Tue. Time: 1700 Frequency: 146.610

County HF Freq(s): (if used)

HF/VHF/UHF Voice Call Sign at or used by County EOC: N7DCD

Packet address/Call Sign used for traffic to County EOC: N7DCD

VHF/UHF packet frequency used by County EOC: 144.950

What is the node route path used to send traffic to OEM: Baldy – Flo

Winlink e-mail address: w7wvf@winlink.org

What is the call sign of the County TelPac node: KE7FXL-10 Freq: 144.950

What other TelPac nodes can the unit reach? W7FLO-10

What Pactor capability does the Unit have: All 3

What is the call sign used: W7WVF (remote from EOC)

Does ARES/RACES have Internet access at the County EOC: N

SMTP addr. for ARES/RACES at the County EOC:

Telephone number at the County EOC: 541-756-8213

Best Telephone/Cell phone/Pager number to reach the EC: 541-260-0643

Curry County Information

District 5

Primary Repeater: 147.250 + Tone: 88.5 Call sign: KA7GNK

Secondary Repeater: 147.280 + Tone: 146.2 Call sign: W7OC

Other Repeaters: 146.960 - Tone: 88.5 Call sign: K7VPI

Primary Simplex Freq: 146.960

Access to State Linked Repeater System: Y Freq. if yes: 441.225

County ARES Net Day(s): Tue. Time: 1845 Frequency: 147.250

County HF Freq(s): (if used)

HF/VHF/UHF Voice Call Sign at or used by County EOC: KB6NZV

Packet address/Call Sign used for traffic to County EOC: KB6NZV-1

VHF/UHF packet frequency used by County EOC: 145.050

What is the node route path used to send traffic to OEM:

Winlink e-mail address: kb6nzv@winlink.org

What is the call sign of the County TelPac node: KB6NZV-2 Freq: 145.050

What other TelPac nodes can the unit reach?

What Pactor capability does the Unit have:

What is the call sign used:

Does ARES/RACES have Internet access at the County EOC: Y

SMTP addr. for ARES/RACES at the County EOC: barkerp@co.curry.or.us

Telephone number at the County EOC: 541-247--2713

Best Telephone/Cell phone/Pager number to reach the EC: 541-469-1815

Douglas County Information District 5

ARES Only, Closed Rptr. **145.470** - Tone: **123** Call sign: **KC7NFY**

Primary Repeater: **145.430** - Tone: Call sign: **WB7BWT**

Secondary Repeater: **146.900** - Tone: **100** Call sign: **KC7TLY**

Primary Simplex Freq: **147.500**

Access to State Linked Repeater System: **Y** Freq. if yes **441.850**

County ARES Net Day(s): **Mon.** Time: **1900** Frequency: **145.430**

County HF Freq(s): (if used) **1978, 3993.5, 7248 KHz.**

HF/VHF/UHF Voice Call Sign at or used by County EOC: **KC7NFY**

Packet address/Call Sign used for traffic to County EOC: **KC7NFY**

VHF/UHF packet frequency used by County EOC: **144.930**

What is the node route path used to send traffic to OEM: **DC - WSTPLK**

Winlink e-mail address: **kc7nfy@winlink.org**

What is the call sign of the County TelPac node: **K7AZW-10** Freq: **144.930**

What other TelPac nodes can the unit reach? **WA6KHG-11**

What Pactor capability does the Unit have: **All 3**

What is the call sign used: **K7AZW** (remote from EOC)

Does ARES/RACES have Internet access at the County EOC: **Y**

SMTP addr. for ARES/RACES at the County EOC: **dougcoares@gmail.com**

Telephone number at the County EOC: **541-440-4442**

Best Telephone/Cell phone/Pager number to reach the EC: **541-430-3904**

Jackson County Information District 5

Primary Repeater: 147.340 + Tone: 136.5 Call sign: WB6YQP

Secondary Repeater: 147.000 + Tone: 123.0 Call sign: K7RVM

Other Repeater(s): 147.260 + Tone: 123.0 Call sign: WX7MFR

Primary Simplex Freq: 146.580

Access to State Linked Repeater System: Y Freq. if yes: 146.940

County ARES Net Day(s): Thu. Time: 1930 Frequency: 147.340

County HF Freq(s) (if used): 3993.5 KHz

HF/VHF/UHF Voice Call Sign at or used by County EOC: KD7VTX

Packet addr. /Call Sign used for traffic to County EOC: KD7VTX@K7RVM

VHF/UHF packet frequency used by County EOC: 145.070

What is the node route to send traffic to OEM: JACBBS – KING - JOSBBS

Winlink e-mail address: kd7vtx@winlink.org

What is the call sign of the County TelPac node: K7JAX-10 Freq. 145.07

What other TelPac nodes can the unit reach: NI7RU-10, K7AZW-10

What Pactor capability does the Unit have:

What is the call sign used:

Does ARES/RACES have Internet access at the County EOC: Y

SMTP addr. for ARES/RACES at the County EOC: kd7vtx@jcares.net

Telephone number at the County EOC: 541-776-7206

Best Telephone/Cell phone/Pager number to reach the EC: 541-326-1442

Josephine County Information District 5

Primary Repeater: 146.760 Tone: 136.5 Call sign: WB6YQP

Secondary Repeater: 147.340 Tone: 136.5 Call sign: WB6YQP

Other Repeater(s): 145.490 Tone: 136.5 Call sign: WB6YQP

Primary Simplex Freq: 146.460

Access to State Linked Repeater System: Y Freq. if yes 440.550

County ARES Net: Day(s) Thu. Time: 2000 Frequency: 146.760

County HF Freq(s): (if used) 3993.5 KHz.

HF/VHF/UHF Voice Call Sign at or used by County EOC: KC7WIS

Packet address/Call Sign used for traffic to County EOC: KC7WIS

VHF/UHF packet frequency used by County EOC: 145.150

What is the node route path used to send traffic to OEM: King to Wstplk

Winlink e-mail address: kc7wis@winlink.org

What is the call sign of the County TelPac node: KI7RU-10 Freq: 145.010

What other TelPac nodes can the unit reach?

What Pactor capability does the Unit have:

What is the call sign used:

Does ARES/RACES have Internet access at the County EOC: Y

SMTP email addr. for ARES/RACES at the County EOC: jcec@jcares.net

Telephone number at the County EOC: 541-474-5109 X 3301

Best Telephone/Cell phone/Pager number to reach the EC: 541-660-7126

Baker County Information

District 6

Primary Repeater: 145.270 - Tone: 110.9 Call sign:

Secondary Repeater: 145.150 - Tone: 110.9 Call sign:

Other Repeater(s): 147.060 + Tone: Call sign:

Primary Simplex Freq: 146.555

Access to State Linked Repeater System: N Freq. if yes:

County ARES Net: Day(s) Time: Frequency:

County HF Freq(s) (if used): 3987, 7245 KHz.

HF/VHF/UHF Voice Call Sign at or used by County EOC: K7OEM

Packet address/Call Sign used for traffic to County EOC:

VHF/UHF packet frequency used by County EOC:

What is the node route path used to send traffic to OEM:

Winlink e-mail address:

What is the call sign of the County TelPac node:

What other TelPac nodes can the unit reach:

What Pactor capability does the Unit have:

What is the call sign used:

Does ARES/RACES have Internet access at the County EOC: N

SMTP email address for ARES/RACES at the County EOC:

Telephone number at the County EOC: 541-523-6415

Best Telephone/Cell phone/Pager number to reach the EC: 541-519-8309

Grant County Information

District 6

Primary Repeater: _____ Tone: _____ Call sign: _____

Secondary Repeater: _____ Tone: _____ Call sign: _____

Other Repeater(s): _____ Tone: _____ Call sign: _____

Primary Simplex Freq: _____

Access to State Linked Repeater System: Y/N Freq. if yes: _____

County ARES Net Day(s) _____ Tone: _____ Frequency: _____

County _____ (if used): _____

HF/VHF/UHF Voice Call Sign at or used by County EOC: _____

Packet address/Call Sign used for traffic to County EOC: _____

VHF/UHF packet frequency used by County EOC: _____

What is the node route path used to send traffic to OEM: _____

Winlink e-mail address: _____

What is the call sign of the County TelPac node: _____ Freq. _____?

What other TelPac nodes can the unit reach: _____

What Pactor capability does the Unit have: I ___ II ___ III ___ none ___

What is the call sign used: _____

Does ARES/RACES have Internet access at the County EOC: Y/N ___

SMTP email address for ARES/RACES at the County EOC: _____

Telephone number at the County EOC: _____

Best Telephone/Cell phone/Pager number to reach the EC: _____

Harney County Information District 6

Primary Repeater: _____ Tone: _____ Call sign: _____

Secondary Repeater: _____ Tone: _____ Call sign: _____

Other Repeater(s): _____ Tone: _____ Call sign: _____

Primary Simplex Freq: _____

Access to State Linked Repeater System: Y/N Freq. if yes: _____

County ARES Net Day: _____ Time: _____ Frequency: _____

County _____ (s if used): _____

HF/VHF/UHF Voice Call Sign at or used by County EOC: _____

Packet address/Call Sign used for traffic to County EOC: _____

VHF/UHF packet frequency used by County EOC: _____

What is the node route path used to send traffic to OEM: _____

Winlink e-mail address: _____

What is the call sign of the County TelPac node: _____ Freq. _____?

What other TelPac nodes can the unit reach: _____

What Pactor capability does the Unit have: I ___ II ___ III ___ none ___

What is the call sign used: _____

Does ARES/RACES have Internet access at the County EOC: Y/N ___

SMTP email address for ARES/RACES at the County EOC: _____

Telephone number at the County EOC: _____

Best Telephone/Cell phone/Pager number to reach the EC: _____

Klamath County Information District 6

Primary Repeater: 146.850 - Tone: 118.8 Call sign:

Secondary Repeater: 146.610 - Tone: 118.8 Call sign:

Other Repeater(s): 147.320 + Tone: 110.9 Call sign:

Primary Simplex Freq: 146.440

Access to State Linked Repeater System: Freq. if yes:

County ARES Net: Day(s) Time: Frequency:

County HF Freq(s) (if used):

HF/VHF/UHF Voice Call Sign at or used by County EOC:

Packet address/Call Sign used for traffic to County EOC:

VHF/UHF packet frequency used by County EOC:

What is the node route path used to send traffic to OEM:

Winlink e-mail address:

What is the call sign of the County TelPac node:

What other TelPac nodes can the unit reach:

What Pactor capability does the Unit have:

What is the call sign used:

Does ARES/RACES have Internet access at the County EOC:

SMTP email address for ARES/RACES at the County EOC:

Telephone number at the County EOC:

Best Telephone/Cell phone/Pager number to reach the EC:

Lake County Information

District 6

Primary Repeater: _____ Tone: _____ Call sign: _____

Secondary Repeater: _____ Tone: _____ Call sign: _____

Other Repeater(s): _____ Tone: _____ Call sign: _____

Primary Simplex Freq: _____

Access to State Linked Repeater System: Y/N _____ Freq. if yes: _____

County ARES Net Day: _____ Time: _____ Frequency: _____

County _____ (s if used): _____

HF/VHF/UHF Voice Call Sign at or used by County EOC: _____

Packet address/Call Sign used for traffic to County EOC: _____

VHF/UHF packet frequency used by County EOC: _____

What is the node route path used to send traffic to OEM: _____

Winlink e-mail address: _____

What is the call sign of the County TelPac node: _____ Freq. _____?

What other TelPac nodes can the unit reach: _____

What Pactor capability does the Unit have: I ___ II ___ III ___ none ___

What is the call sign used: _____

Does ARES/RACES have Internet access at the County EOC: Y/N _____

SMTP email address for ARES/RACES at the County EOC: _____

Telephone number at the County EOC: _____

Best Telephone/Cell phone/Pager number to reach the EC: _____

Malheur County Information

District 6

Primary Repeater: 147.100 + Tone: 100 Call sign:

Secondary Repeater: 147.120 + Tone: 100 Call sign:

Other Repeater(s): 443.150 + Tone: 100 Call sign: K7RHB

Primary Simplex Freq: 146.580

Access to State Linked Repeater System: N Freq. if yes: _____

County ARES Net: Day(s) _____ Time: _____ Frequency: _____

County HF Freq(s) (if used): 3964 KHz. 1860 KHz.

HF/VHF/UHF Voice Call Sign at or used by County EOC: K7RHB

Packet address/Call Sign used for traffic to County EOC:

VHF/UHF packet frequency used by County EOC:

What is the node route path used to send traffic to OEM:

Winlink e-mail address:

What is the call sign of the County TelPac node:

What other TelPac nodes can the unit reach:

What Pactor capability does the Unit have: None

What is the call sign used:

Does ARES/RACES have Internet access at the County EOC: N

SMTP email address for ARES/RACES at the County EOC:

Telephone number at the County EOC:

Best Telephone/Cell phone/Pager number to reach the EC: 541-212-6850

_____ **County Information** **District** _____

Use this copy to submit corrections/additions to k7vv@msn.com

Primary Repeater: _____ Tone: _____ Call sign: _____

Secondary Repeater: _____ Tone: _____ Call sign: _____

Other Repeater(s): _____ Tone: _____ Call sign: _____

Primary Simplex Freq: _____

Access to State Linked Repeater System: Y/N Freq. if yes: _____

County ARES Net: Day(s) _____ Time: _____ Frequency: _____

County HF Freq(s) (if used): _____

HF/VHF/UHF Voice Call Sign at or used by County EOC: _____

Packet address/Call Sign used for traffic to County EOC: _____

VHF/UHF packet frequency used by County EOC: _____

What is the node route path used to send traffic to OEM: _____

Winlink e-mail address _____

What is the call sign of the County TelPac node: _____ Freq. _____

What other TelPac nodes can the unit reach: _____

What Pactor capability does the Unit have: I II III None (circle one)

What is the call sign used: _____

Does ARES/RACES have Internet access at the County EOC: Y/N

SMTP email address for ARES/RACES at the County EOC: _____

Telephone number at the County EOC: _____

Best telephone number to reach the County EC: _____

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