

# Central Point Mesh

## (CPmesh)

### A.R.E.D.N

#### Amateur Radio Emergency Data Network

In keeping with the purpose of the North Rogue Valley Repeater Group's mission of providing emergency communications during disasters or communication outages, we have begun building a data network to enhance our repeater network.

The plan for the emergency data network is to establish network nodes throughout the valley providing data communications to emergency groups and first responder organizations. Eight nodes are currently in operation covering northwest to Blackwell Hill, Roxy Ann and Central Point. Expansion plans will include Baldy into Ashland.

There are no dues or membership requirements except having an interest in Amateur radio and willingness to experiment. We may have meetings to discuss expansion plans and/or node placement.

If you want to join this project please contact KL7VK, Kirby at [kwheeler@ccountry.com](mailto:kwheeler@ccountry.com) or 541-301-8832 (Cell) or W9PCI, Arlen at [w9pci@w9pci.com](mailto:w9pci@w9pci.com) or 541-941-4474.

Please read the following guidelines for getting involved in the project.

1. Members will provide equipment such as radios, antennas, cables, phones, cameras, mounting hardware, etc. Members must have some sort of back-up power source such as battery, solar or UPS.
2. We currently use Ubiquiti, MikroTik and GL-inet radios. More on these radios when we meet with you to detail the project.

Node “info” construction:

**a. KL7VK-hAPacl-CP-mast30-307**

*Call sign-type radio-location-type of mounting & height above ground-direction pointed if directional.*

3. Firmware must be current on all nodes; however, some nodes will be selected to test new releases prior to updating all other network nodes.

We will train how to load current AREDN firmware and maintenance of your node.

All nodes must be coordinated with the group prior to joining the network. “Network Manager(s)” will review all node types, verify setup configuration and manage access security.

A PBX is under construction to provide telephone service to some nodes. Those nodes will usually be at places such as homes, hospitals, police and fire departments, Mercy Flights, etc.