



---

# AREDN News

## Amateur Radio Emergency Data Network

Shawn Instenes • 10.10.2024 • Rev 1.0  
Clackamas ARES

---

---

# CARES AREDN DKHR Updates

## David Kidd Ham Room (DKHR)

- The PBX (phone exchange) for the IP phones is now located at the DKHR
  - Plans are afoot to make this network highly available
-

---

# CARES AREDN Field Test

## Field test with AREDN and CCDM Starlinks, Aug.

- We can fully interoperate with their equipment, which are V3 Starlink panels.
  - Only local WiFi connectivity is available (so, use a hAP and connect over 5Ghz), then DtD to other things
  - Full connectivity to the Willamette Valley Mesh requires a cloud tunnel server- Starlink is outbound only
  - We already have one!
-

---

# AREDN Cloud Tunnel server

## We have an old one and a new one

- If you have a tunnel to a hAP server somewhere, the cloud server will offer lower latency
  - If the equipment has a outbound-only internet service but is otherwise reliable, the tunnel server allows connectivity (DKHR, Starlink)
  - Ask me for a tunnel! If you already have a tunnel but it isn't WireGuard, we should probably upgrade you
-

---

# AREDN Firmware Updates

## New 3.24.10.0 firmware released

- First release of the “New UI” which has a lower memory and cpu use- but both old and new are here
  - Bug fixes for some models time keeping- this is vital for WireGuard based tunnels!
-

---

# WVMN AREDN Monitoring

## We are supporting close monitoring of the WVMN

- Team discovered the problem with time and WireGuard
  - Unstable links and nodes cause problems for everyone
  - We've built monitoring points at several places in the mesh to watch for trouble spots
  - <http://ae7si-meshinfo.local.mesh>.
  - Want to help? Ask me!
-