4th Quarter 2025 Las Vegas Mesh Breakfast

The breakfast was held at Winchell's Pub & Grill, 199 E Warm Springs Rd, Las Vegas, NV 89119 on October 4, 2025.

The following amateur radio operators were present: Steve Farinella (N6SFX), Robert Ambrose (N7GET), Frank Kostelac (N7ZEV), Rockie Roper (W7NVS), Paul Scott (N9XCW), Tom Davis (KB7HTA), Charlie Kunz (AA5QJ), and Bob Nelson (WA3PAD).

The discussions at the meeting were centered on the improvement of the Las Vegas Mesh Network. After the recent installation of AREDN mesh nodes on Angel Peak (90° Sector, Dish and Omni), we discovered several things that need our attention. The sector and dish need to be aligned for better performance and the faulty PTZ camera needs to be replaced. We are planning a trip to Angel Peak to complete the work around October 13th. It has been over a year since we made a trip up to Red Mountain to check/adjust dish and camera alignment. During that time there have been a lot of windstorms, so the trip is badly needed. Robert reports that he is now allowed to access the Pinnacle mesh node site. The following needs to be done: Replace the 2.4 GHz node with a 5 GHz 90° sector radio/antenna, align the dish pointed to Potosi and Red Mountain for best performance, upgrade the firmware on the radios to the latest version, tunnel settings and add a camera(?).

It was suggested that, if possible, everyone should install an Omni radio/antenna at their QTH for better overall coverage. The group decided that going forward Sector radio/antennas would use channel 172, Omni radio/antennas would use channel 178 and backhaul dish radio/antennas would use channel 175/other.

AREDN has notified all users that they will be phasing out the use of the old OLSR protocol in favor of Babel. All radios that allow for installation of the latest AREDN firmware 3.25.8.0, should be updated for better performance going forward. A list of devices/hardware that the new firmware supports can be found on the [AREDN website](#). At some point in the future, only firmware with the Babel protocol will be available, meaning nodes running OLSR will not be seen.

Finally, when and if possible, members of the LV Mesh Group should check their equipment for proper alignment to one of the mountain tops to improve overall performance of the network.