**Diagnose / Repair Meraki MS130 Network Switch**

Issue: Switch offline, not communicating with Cradlepoint E300

VERIFY SWITCH POWER AND STATUS

☐ Locate the Meraki MS130-12X switch in the Server Room

☐ Check power status:

☐ Confirm switch is plugged into a power source or UPS.

☐ Power LED should be solid WHITE (or blinking amber if faulty boot).

☐ If no lights:

☐ Verify power outlet functionality (test with another device).

☐ Reseat power cable firmly on both ends.

☐ If still no power, document as hardware failure.

VERIFY NETWORK CABLING

☐ Confirm uplink Ethernet cable is securely plugged into the intended uplink port (often port 1 or dedicated WAN uplink).

☐ Trace cabling from switch to Cradlepoint E300 or intermediate patch panel:

☐ Check for loose, damaged, or unseated connectors.

☐ Look for disconnected patch panel terminations.

☐ Use a cable tester or link light to confirm link integrity (if available).

☐ Reseat all Ethernet cables (uplink and downlink ports).

REBOOT SWITCH (IF POWERED BUT OFFLINE)

☐ Perform a graceful reboot: Unplug power > Wait 15 seconds > Reconnect power.

☐ Observe LEDs for: Power-up sequence *AND* Network link detection (port activity).

CONNECT TEST DEVICE (IF NEEDED)

☐ Connect a laptop via Ethernet to a known-good LAN port on the switch.

☐ Set laptop to DHCP and verify if it:

Gets a valid IP address.

Can ping Cradlepoint E300 (or its local IP).

Can access the internet (if applicable).

CONFIRM FUNCTIONALITY WITH REMOTE CONTACT

Once equipment is successfully installed, online and connected!