**Install Equipment and Turn-Up Service**

**Objective:** NID Install & Ethernet Circuit Turn-up Handoff.

* Install Equipment
* Verify cable terminations (continuity, correct pinout, signal integrity).
* Test bandwidth capacity or throughput.
* Connect equipment & Verify power, link lights, and IP communication.
* Validate logical configurations (e.g., VLAN, port profiles, PoE delivery).
* Ensure remote monitoring or control systems (e.g., SNMP, NetFlow) receive data.

**Required Tools:**

Laptop w/ Putty Console Emulator and Anydesk Screen-sharing

Standard Telecom Tools

USB Ethernet Adapter (look in plastic bag with MISC short cables)

(4-6) Ethernet cables & 1 RJ11 Patch Cord

\*SC-LC and LC-LC MM Fiber Patch Cable (Optional)

Preparation & Equipment Verification

* 1. Verify work order, circuit ID, and installation scope.
  2. Retrieve NID from MOD and inspect device for damage.
  3. Confirm possession of devices/equipment.
  4. Perform a visual inspection of the target rack.
  5. Confirm DMARC presence.

Device Installation

2.1 Rack or wall-mount NID in specified location; Ensure 2U spacing

2.2 Insert SFPs: Port 1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Port 2: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2.3 Power on the NID and verify LED status for power and initialization.

2.4 Label the NID with device ID

Testing & Turn-up

3.1 Notify Engineering that link is up and NID is ready.

(Stand by while they initiate RFC tests.)

3.2 Monitor status LEDs. Do not disconnect or re-cable.

3.3 Provide console access to Engineer (Set terminal emulator: 9600 baud, 8N1)

3.4 Assist remotely as directed in accessing NID configuration.