**FIBER OPTIC SPLICE/TEST SPECIFICATIONS AND PROCEDURES**

Centralized Split OSP Network Architecture

**OTDR**

* Use 1km launch reel.
* Test on the 1310 nm and 1550 nm wavelength.
* A 2 phase approach.
  + Bi-directional test; use the average as a marker
  + OLT to FDH/LCP (central cabinet)
    - assumes 3 fibers will be terminated to splitters at each cabinet
  + FDH/LCP (central cabinet) to TAP (Terminal Access Point)
    - Test one fiber per TAP



* Attenuation = .50/km
* Max loss per splice = .30 db
* Optical Return Loss <=32

**Power Meter Testing**

* End-to-end from OLT to Terminal
  + Uni-directional
  + Lit fibers only
    - assumes 3 fibers will be terminated to splitters at each cabinet
  + Test on 1470 down
* Maximum link loss variance = +/-0.5 db
  + Test to the furthest TAP on each leg



Splicers will submit OTDR test results and power meter scans for approval and payment.