

The Use Case Focus Is

- Monitoring fiber outside plant (OSP)
- Monitoring using the existing digital diagnostic remote modules in the PON, EPON, G-PON, XG-PON and WDM-PON at the OLT and ONT
- No new hardware is required
- Detect degradation in the fiber infrastructure

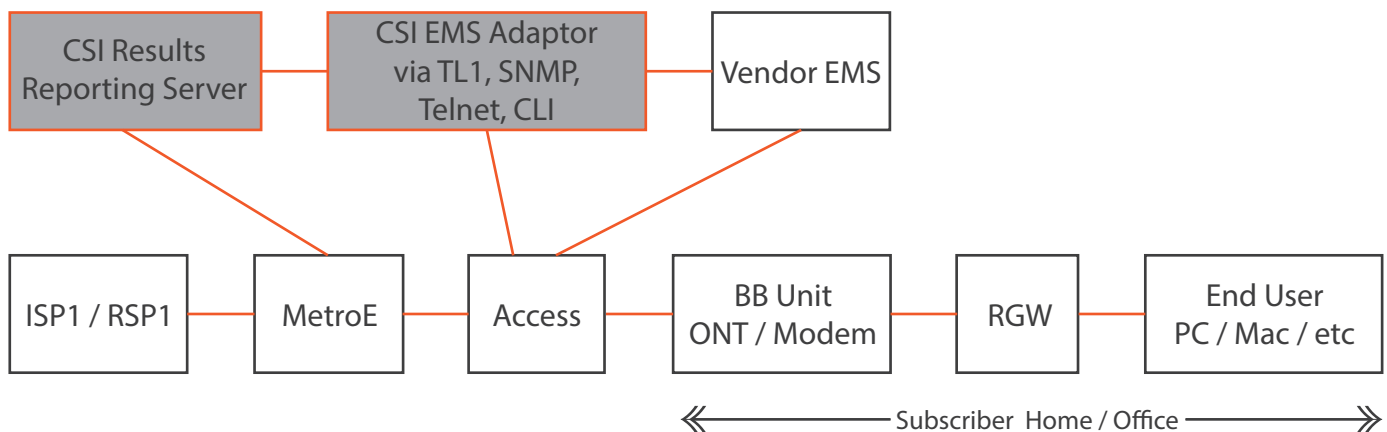
Benefits

- Reduce truck rolls by 50%
- Fix the fiber before it breaks
- Provide early detection of poor install team techniques
- Track vendor ONT/ONU issues for early detection
- Create accurate topology inventory maps for faster repair

Compliance

- Broadband Forum WT-287 (PON Optical Layer Management)
 - ITU-T G.984 (Gigabit-Capable Passive Optical Networks [G-PON])
 - ITU-T G.987 (10-Gigabit-Capable Passive Optical Networks [XG-PON])
 - IEEE P1904.1 (Service Interoperability In Ethernet PON)
 - SFF-8472 (Digital Diagnostic Monitoring Interface for Optical Transceivers)
- We have already defined EMS Adaptors for ZTE, Huawei, FiberHome and Alcatel

Architecture



There are two parts :

- (a) CSI Results Reporting Server (can be dedicated server or cloud server)
- (b) CSI EMS vendor interface. Connection to the vendor EMS platform