

MTA SPRING PLANT WORKSHOP REQUESTED TRAINING Topics

March 13 & 14, 2012
Triangle Communications
2121 Highway 2 NW
Havre, MT 59501

Approximately 2 Hour Sessions:

- Small office/ Home office products and networking – wireless in the SOHO / Ethernet jacks / switches / Ethernet over power outlets / etc.
- Smart home devices – cameras / monitoring devices with an Ethernet connection, like to turn heat up at certain time, etc.
- Ruggedized fiber / extending the ONT (or other devices - RAD) into the home / business – Bend insensitive fiber and splice on connectors for same.
- EtherNids and associated test equipment
- Basic Ethernet testing – can be combined with above topic.
- Proper fiber connector inspection techniques and cleaning of same. Even though we have gone over this with our employees, it still seems that they don't quite go all the way sometimes. All the major carriers say that this is 90% cause of all fiber problems.
- Fiber Management in Central Offices and Ribbon fiber in splice cases.
- VDSL2 and Vectoring.
- DWDM and CWDM testing and test gear. Also what pulling and stress does to fiber that we do not see with an OTDR or light test, but see when the chromatic dispersion testing is done. Fiber Characterization
- Optical loss testing, what does Optical loss testing show me?
- FED (Far End Device) to test copper pairs (*preferred vendor Westek Electronics*)

Longer Desired Sessions

- 3 different beginning sessions: IP 101, L2 networking, L3 networking. This would be an informative session for most technicians (*preferred vendor CISCO, Vision Net*)
- IPv6, QoS, BGP type courses (*preferred vendor CISCO, Juniper, Vision Net*)

Any questions on the desired training
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