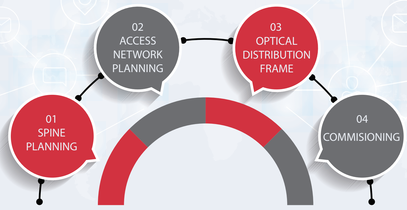
Tech Mahindra

FIBRE NETWORK ROLLOUT CONSULTING APPROACH

COMPONENTS OF FTTP PLANNING



STEPS FOR SPINE PLANNING

01
Spine Route Optimization
- Analyze the "Spine Network plan" in terms of routes, Nodes, Structures & perform the optimization to reduce the exchange outwards legs.

02
Analyse & Design
Analyze the optimized plan & decide on the fiber cables, AggNodes for each route(from ODF to serving nodes)

03
Field Survey (Optional)
Decide any survey required for the route. Create & issue the survey (if needed)

04
Plan & Record
Do the fibre reservation as per the policy. & Perform the GIS recording of routes (cabling, nodes, civils).

05
Field Job
Create Bill of material & issue to field teams to carryout Build activity from CCI to "Serving node".

06
Service Assurance (In-life & Post Recordings)
Analyse the changes suggested by field teams and do the required actions (Amend the GIS recording, Bill of Material)

STEPS FOR ACCESS NETWORK PLANNING

01
Analyze the Access route
Analyze the "Access Route" in terms of number of CBTs, small nodes. Issue the route survey (if needed)

02
Design the Access Network
Decide the Type of splitter, CBTs, Cable to be used.

03
Plan & Record
- Analyze the survey returns.
- Perform the recording of routes (cabling, nodes, civils).

04
Field Job
Create Bill of material & issue to field teams to carry out the build from Spine node to Splitter to CBTs.

05
Service Assurance (In-life & Post Recordings)
Analyse the changes suggested by field teams and do the required actions (Amend the GIS recording, Bill of Material)

STEPS FOR ODF PLANNING

01
Analyze the Access route
- Analyze the correctness of Fiber ranges planned for PON(Spine & Access).
- Analyze the headend Slot port mapping of PON

02
Design the Access Network
Design cable from CCI to ODF frame & Frame to OLT (Headend)

03
Plan & Record
- Establish connection from CCI to ODF.
- Map the slot & port to Headend.

04
Field Job
Create Bill of material & issue to field teams to carry out the connection from CCI to ODF , And ODF to Headend.

05
Service Assurance (In-life & Post Recordings)
Analyze the changes suggested by field teams and do the required actions (Amend the GIS recording, Bill of Material)

STEPS FOR COMMISSIONING PLANNING

01
Check Built completion
Check field report to find out how much THP is built on ground Vs. planned

02
Check the Light loss test results
Verify which all CBTs are passed with Light loss reading.

03
Check the FNC & provisioning system
Check fibre configurations in system are matching with field configurations.

04
Publish PON
Publish the PON & check in Provisioning system, if it reflects.

Connected World.
Connected Experiences.