



## GPX Position Description

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**Title:** Fiber Optic Engineer **Country:** India  
**Reports To:** GM – Customer Operations **Location:** Mumbai  
**Status:** 24x7 Shift Work Required

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### SUMMARY

This position is primarily responsible for performing duties associated with hands on functions within the telecommunications industry. Technicians will install, test or turn up outside/inside fiber optic plant and a variety of telecommunications equipment including DWDM, and IP or Ethernet based equipment.

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### ESSENTIAL DUTIES

- Perform installation and installation commissioning, troubleshooting, and handling optical transmission systems.
- Provide support and perform splicing activities including continuity testing, OTDR trace analysis and optical power meter data of fiber optic cable.
- Installation and testing of fiber optic patch cords.
- Perform cable splicing and fiber acceptance testing.
- Perform OTDR, Ethernet, and BER acceptance testing.
- Assist with network construction activities and required paperwork including but not limited to: route forms, splice engineering packages, red lines and as-builts.
- Monitor contractor and sub-contractors performing conduit installation, cable placement and splicing.
- Proactively seek and identify potential network problems and address these issues before becoming service affecting events.
- Participate in local on-call schedule rotation.
- Participate in conference calls or meetings related to projects and processes.
- Responsible for the correct, safe, and efficient locating and marking of underground utilities by carefully searching for the underground plant in an area, properly marking the location, and completing the necessary paperwork

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## **SECONDARY DUTIES**

Performs related duties as required.

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## **SUPERVISORY RESPONSIBILITY**

This position has no supervisory responsibility.

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## **POSITION REQUIREMENTS**

These specifications are general guidelines based on the minimum experience normally considered essential to the satisfactory performance of this job. Individual abilities may result in some deviation from these guidelines.

To perform effectively in this position, the candidate must have:

- Experience in installing, testing, and troubleshooting fiber optic networks (both outside and inside plant)
- Minimum of 3 years' experience installing, testing or turning up a variety of telecommunications equipment including DWDM and IP.
- Proficiency in the troubleshooting and maintenance of various types of equipment noted.
- Strong technical, mechanical and electrical background and be proficient around all major manufacturers of transport equipment, high voltage electrical systems, DC power plant as well as knowledge of critical infrastructure, ISP/OSP and all associated test systems to include optical, electrical and power testing equipment associated with the telecommunications Industry.
- Understanding of telecommunications standards (i.e. ITU, IEEE, NEBS)
- Strong analytical, technical and customer skills
- Ability to read, interpret and follow Security Procedures, process documents, MOPs, EOPs as well as vendor documentation related to equipment owned by the company.
- Ability to write routine reports, properly fill out documentation such as site surveys and audit reports.
- Effectively communicate with customers, management, peers and contractors as well as other members of the organization.
- Able to work well with internal and external peers (carrier/vendor peers) on daily tasks and responsibilities.

- Ability to cover various work assignments during a variety of work hours to include day and night time activities.

### **EDUCATIONAL REQUIREMENTS**

The Fiber Optic Engineer should have 3-year diploma in Fiber Optics or Telecommunications , or a 4-year university degree in Electronics or Telecommunications.

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