

# Electronic Engineering Technician

## **Requirements – Experience, Knowledge and Skills**

*Essential Requirements:* -

- ✓ HND/BSc level qualification or equivalent in related field.
- ✓ A systematic approach to fault finding, analysis, problem solving, repairing and testing from system to component level of analogue and digital communications systems.
- ✓ Understanding the issues affecting the reliability of our equipment and the implementation/deployment thereof.
- ✓ Use of laboratory and communications test equipment.
- ✓ CAD PCB & Design experience.
- ✓ Ability to provide supporting documentation for project/design, testing e.g. create configuration, functional description, test result sheet
- ✓ Clean driver's licence.

## **Job Description**

### **Summary**

The primary role is to work on development projects, production testing, production modifications and fault finding of fibre optic communication equipment. The work includes building and evaluating prototype and pre-production cards, factory (and occasional on site) acceptance testing of equipment/systems. To be self-motivated and able to work with minimal supervision to meet demanding deadlines.

### **Tasks**

- 1) Development and design of products
- 2) Building, testing and configuring of analogue and digital communications equipment and systems, including PCBs
- 3) Creating/updating maintaining PCB circuit and layout drawings
- 4) Creation/updating maintaining of equipment & site documentation
- 5) Providing technical support to customers, suppliers and purchasing
- 6) Component evaluation & proving, sourcing components for manufacture of product and assisting with stock control
- 7) Fault finding and repair from system to component level
- 8) Occasional site work – installation, commissioning, site acceptance & maintenance
- 9) Management of small Projects and Prototypes/Product manufacture
- 10) Liaise with FTI's customers to ensure effective delivery & support of company products and services
- 11) Effective time management and team work

### **Responsibilities**

- 1) Operating & complying with the companies H&S and QA policies in order to address the continuous improvement objectives, outlined under ISO9000
- 2) Maintaining excellent equipment reliability, high standards
- 3) Product meeting specification, establishing performance, build status and test results record
- 4) Maintaining ESD environment
- 5) Product Testing & Component Evaluation
- 6) Fault & Incident Reports, logging & recording
- 7) Test Equipment (+ Calibration), Laboratory Area
- 8) Meeting timescales