

- I. JOB TITLE : COMMUNICATION SYSTEM MECHANIC
- II. JOB LEVEL : SKILLED WORKER
- III. JOB DESCRIPTION : Fits, assembles, installs, maintains and repairs communication equipment and systems including block wiring systems, private automatic branch exchange systems, intercom systems, in-building coaxial cable distribution systems, and other wired or wireless signed transmission and reception systems.
- IV. TRADE SKILLS : Ability to:
1. Correctly use and maintain the tools of the trade including crimping and termination tools, test equipment, and calibration and measuring instruments.
 2. Install and properly maintain communication systems and equipment according to stipulated procedures.
 3. Locate and repair faults in communication systems and equipment.
 4. Service and calibrate communication systems and equipment.
 5. Identify and install different types of cables and wires including fibre optic cables.
 6. Use safety equipment, and protective devices and equipment.
 7. Read and interpret simple communication equipment specifications, electrical and electronic wiring and circuit diagrams, and building plans.
 8. Inspect, test and commission communication equipment.
 9. Correctly instruct, supervise and transfer skills to any apprentice and semi-skilled worker assigned to him to ensure safety and quality of work.

V. TRADE THEORY : Knowledge of:

1. Basic electrical and communication engineering.
2. Electrical and communication symbols and wiring diagrams, and layout drawings for communication systems.
3. Operating principles of communication systems and equipment.
4. Use of test and calibration equipment, and measuring instruments.
5. Extra low voltage (ELV) system.
6. Basic workshop practice, engineering materials, conduit and wiring.
7. Industrial hazards, safety and health precautions, and environmental concerns.
8. Installation practice and regulations, and relevant codes of practice.
9. Relevant ordinances and regulations.

VI. ENTRY ROUTE : Preferred Minimum Entry Qualification:

Completion of Secondary 3.

Training:

3-year organized apprenticeship or 2-year organized apprenticeship if preceded by a relevant one-year full-time basic craft course, with attendance at a relevant part-time day-release or block-release craft course in an institute of vocational education or equivalent.