

- I. *JOB TITLE* : **AUDIO VISUAL AND RADIO FREQUENCY MECHANIC**
- II. *JOB LEVEL* : CRAFTSMAN
- III. *JOB DESCRIPTION* : Installs, services and repairs radio, television receivers, consumer audio-video equipment and communal antenna systems.
- IV. *TRADE SKILLS* : Ability to:
1. Use measuring and testing instruments for checking, testing and fault-finding.
 2. Replace or repair faulty components and equipment.
 3. Align radio and television receivers, consumer audio-video equipment and communal antenna systems in accordance with manufacturers' specifications.
 4. Install radio and television receivers, consumer audio-video equipment and communal antenna systems in accordance with manufacturers' specifications.
 5. Read and interpret circuit and system diagrams, specifications, engineering drawings and services manuals.
 6. Use and care for tools of the trade.
 7. Maintain good customer relations.
 8. Carry out all necessary safety precautions
- V. *TRADE THEORY* : Knowledge of:
1. Principles of electrical and electronic engineering including:
 - (i) Radio, television, consumer audio and video equipment, and communal antenna systems

- (ii) Analogue and digital components, and practical circuits and techniques
 - (iii) Measurements, and measuring and test instruments.
2. Workshop practice, engineering materials and drawing.
 3. Soldering and desoldering techniques.
 4. Industrial hazards including those associated with electrical and mechanical work, on-site work (in particular working at heights), and high tension, and safety precautions to be observed.
 5. Radiation hazards including those associated with microwave, radioactive, high frequency and X-ray installations.
 6. Relevant sections of the Factories and Industrial Undertakings Ordinance, national and international safety standards and regulations, and codes of practice.

VI. *QUALIFICATIONS AND TRAINING* : Stream 1

Successful completion of Secondary 3, plus 3-year organized craft apprenticeship with attendance at a relevant part-time day release or block release craft course in a technical institution.

Stream 2

Successful completion of a relevant 1-year full-time basic craft course or a relevant 3-year full-time course in a prevocational school, plus 2-year organized craft apprenticeship with attendance at a relevant part-time day release or block release craft course in a technical institution.