



MAURITIUS QUALIFICATIONS AUTHORITY

MAURITIUS QUALIFICATIONS AUTHORITY

NATIONAL CERTIFICATE

LEVEL 5

IN

COMMUNICATION ELECTRONICS

National Certificate Level 5 in Communication Electronics

1. Level:

5

2. Credits: 138

3. Review date: June 2030

4. Access to qualification

4.1 Entry information

National Certificate Level 4 in Industrial Electronics

or

National Certificate Level 4 in Communications Electronics

or

An alternative acceptable qualification at Level 4 of the NQF

4.2 Recognition of Prior Learning (RPL)

Potential candidates holding a qualification at NQF Level 3 and at least 3 years' experience in the field may access this qualification through Recognition of Prior Learning (RPL) process.

4.3 Award of qualification requirements

Unit No.	Unit Standard Title	Level	Credit
Radio Communication Systems			
01	Demonstrate and apply knowledge of electronic filters, oscillators, and frequency synthesisers	5	4
02	Demonstrate and apply knowledge of switching power supplies	5	3
03	Demonstrate and apply knowledge of radio communications	5	8
04	Install and maintain radio communication systems	5	8
05	Test and repair faulty radio transmitter equipment	5	6
06	Test and repair faulty radio receiver equipment	5	6
Microcontroller System			
07	Diagnose and repair a faulty microprocessor or microcontroller system	5	4
08	Demonstrate and apply knowledge of personal computer engineering	5	5

Advance Mathematics Principles			
09	Use methods of multivariate calculus to solve problems involving functions of up to three variables	5	3
10	Solve problems using further methods of integration	5	3
11	Use first and second order differential equations to solve problems	5	3
12	Create and maintain positive workplace relationships	5	7
Telecommunication Systems			
13	Test Electronic Telecommunication System equipment	5	10
14	Install and maintain telecommunication switching systems	5	10
15	Install and maintain Information and Communication (ICT) Systems and Networks	5	10
16	Install and maintain telecommunication cabling systems	5	10
Electronic Security System			
17	Demonstrate knowledge of electronic security systems and equipment functions	5	8
18	Design electronic security access control systems	5	8
General Skills in Communication Electronics			
19	Demonstrate effective communication skills	5	8
20	Lead a group/team to achieve an objective	5	4
21	Apply entrepreneurial skills	5	3
22	Demonstrate knowledge of information technology in Communication Electronics	5	3
23	Demonstrate good work ethics	5	1
24	Demonstrate knowledge of project and time management	5	3
Total Credits			138

5. Purpose

This qualification is intended for people wishing to pursue a career in the field of Communications Electronics. People awarded with this qualification would have demonstrated a wide-range of technical and/or management skills required to work in the industry as well as the qualities and transferable skills necessary in situations requiring the exercise of some personal responsibility.

6. Qualification pathways:

Upon successful completion of the National Certificate Level 5 in Communication Electronics learners can choose to enroll for higher courses offered by the MITD or Universities.

Special Note: ‘Unit Standards under ‘Generic skills’ should be adapted to suit Communication Electronics