



MAURITIUS QUALIFICATIONS AUTHORITY

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NATIONAL CERTIFICATE

LEVEL 5

IN

LIFTS INSTALLATION, TESTING

AND

MAINTENANCE

National Certificate Level 5 in Lifts Installation, Testing and Maintenance

1. **Level of qualification:** 5
2. **Credits:** 140
3. **Review Date:** March 2028
4. **Access to qualification**

4.1 Entry Information

A pass in Mathematics or Physics at School Certificate or National Certificate Level 4 in any Engineering field or any equivalent qualification

4.2 Recognition of Prior Learning

Potential candidates holding a qualification at NQF Level 4 and at least 3 years of working experience in the relevant field may access this qualification through Recognition of Prior Learning (RPL) process.

4.3 Detailed Qualification Requirements

All the unit standards listed below are required.

ID Unit No.	Unit Standard Title	Level	Credit
Generic			
01	Use and maintain hand tools and power tools	5	1
02	Select, Use, and Care for Engineering Dimensional Measuring Equipment	5	3
03	Prepare and Restore Sites for Lift Installation	5	3
04	Inspect, Test and Adjust Governors, Ropes and Lift Safety Equipment	5	4
05	Inspect, Test, and Maintain Lift Performance Parameters	5	5
06	Inspect and Replace Bearings and Seals in Machines and Equipment	5	4
07	Coordinate Inspection and Testing of Lift Equipment for Compliance with Statutory Requirements	5	1
08	Diagnose and repair faults and service lifts cars and equipment	5	10
09	Perform the commissioning of Lifts	5	8
10	Release Trapped Passengers from Lifts	5	2

11	Communicate Information in a Specified Workplace	5	1
12	Produce and interpret Engineering Drawings	5	3
13	Demonstrate and Apply Knowledge of a Personal Computer System	5	1
14	Participate in group which has an objective	5	1
15	Provide Customer Service	5	1
16	Write a short technical report	5	1
17	Preparing Lift for Fitness check	5	3
18	Maintain and Repair Lift Braking System	5	6
19	Demonstrate knowledge of green technology and sustainable development	4	1
Mechanical			
20	Assemble and Fit Precision Tooling and Mechanical Components	5	6
21	Demonstrate knowledge of hydraulics	5	6
22	Service Hydraulic Power System Components	5	5
23	Plumb and Set Out Single Multiple Lift Installations	5	6
24	Install/ Replace Lift Roping Systems	5	8
25	Prepare and Finish Surfaces for Lift Installations	5	7
26	Clean and Lubricate Lift Equipment	5	5
27	Apply Fusion welding techniques	5	8
28	Maintain Lift Gearbox	5	10
Electrical			
29	Fault-Find, Repair, and Test Electric Motors	5	10
30	Diagnose and Repair Faults and Service Lift Controls	5	10
Total credits			140

5. Purpose:

The National Certificate Level 5 in Lifts Installation, Testing and Maintenance is designed to enable learners to be equipped with the skills, knowledge and competencies to contribute effectively to safely install, test and service a range of traction and hydraulic lift to comply with statutory standards and to meet customer satisfaction.