

Further Education and Training Certificate: Telecommunication Network Operations

SAQA QUAL ID		QUALIFICATION TITLE	
59057		Further Education and Training Certificate: Telecommunication Network Operations	
PRIMARY OR DELEGATED QUALITY ASSURANCE FUNCTIONARY		NQF SUB-FRAMEWORK	
MICTS - Media, Information and Communication Technologies Sector Education and Training Authority		OQSF - Occupational Qualifications Sub-framework	
QUALIFICATION TYPE	FIELD	SUBFIELD	
Further Education and Training Certification	Field 06 - Manufacturing, Engineering and Technology	Engineering and Related Design	
MINIMUM CREDITS	PRE-2009 NQF LEVEL	NQF LEVEL	
132	Level 4	NQF Level 04	
LAST DATE FOR ENROLMENT		LAST DATE FOR ACHIEVEMENT	
2024-06-30		2027-06-30	

PURPOSE

The Telecommunications landscape has been impacted tremendously by the onset of Convergence, Legislation and Regulation, and by the rapid evolution and expansion of new data and network services enabled by Next Generation technologies and telecommunications infrastructure.

This qualification will prepare the individual to perform functions within the Network Operations environment in the telecommunications industry. Telecommunications covers a wide range of specialisations, including:

- Management and surveillance of Information and Communication Technology Networks,
- Transmission Control Protocol or Internet Protocol Networks Operations,
- Installation and Maintenance of Customer Premises Equipment,
- Operation of Telecommunications Transport Systems,
- Maintenance of Telecommunication Cables,
- Installation of Telecommunication Cables,
- Operation of Telecommunication Lines and
- Installation of Network Elements

The aim is for learners to gain employment in areas as diverse as security systems, data networks, broadcasting and mobile communications; while enabling learners to perform first-line installation, operations, and maintenance in the disciplines listed above.

WHO SHOULD APPLY?

- Entrants to the ICT industry.
- Current ICT workers.

LEARNING ASSUMED TO BE IN PLACE

Assumption: Competence in Maths and Communications at NQF Level 3.

RECOGNITION OF PRIOR LEARNING:

- This qualification may be achieved through the recognition of prior learning (RPL), which includes formal, non-formal learning and work experience.
- To achieve the qualification through RPL, the learner must present him/herself to be assessed against the integrated assessment criteria of this qualification.
- Any learner wishing to be assessed to achieve credits in respect of any of the unit standards specified in this qualification may arrange for an RPL assessment.

ACCESS TO THE QUALIFICATION:

- Open Access. An item of consideration is the diversity of functions which are covered.

QUALIFICATION RULES:

Rules regarding NQF Levels, credits, and qualification:

- The qualification consists of a minimum combination of 132 credits. The specialisation area (elected cluster) will determine the actual number of credits required.

Rules regarding Fundamentals:

- Compulsory fundamental unit standards – 56 credits

These fundamental credits are made up as follows:

- Communication: 20 credits at NQF Level 4.
- Second Language: 20 credits at NQF Level 3.
- Mathematics: 16 credits at NQF Level 4.

Core:

- Compulsory core unit standards - 65 credits

Electives:

- There are 9 Elective clusters. 8 of these clusters provide a variety of specialisation areas. The other cluster fulfils the role of supplementary cluster.

EXIT LEVEL OUTCOMES

A learner will be able to:

- List and explain the elements that comprise a current and a next generation telecommunication network.
- Explain the uses of telecommunication protocols and telecommunication principles.
- Explain the characteristics and benefits of available telecommunications products and services in both the commodity and value added (VAS) ranges.
- Commission, maintain, diagnose faults, and repair telecommunication equipment.
- Function in the workforce management and network management environment.