

<b>National Vocational Certificate in Electrical Engineering (Level 5) (Instrumentation and Control)</b>
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**Level of qualification: 5**

	<b>Compulsory</b>	<b>Elective</b>
<b>level 5 credits available</b>	<b>49</b>	<b>-</b>
<b>minimum totals required</b>	<b>49</b>	<b>-</b>

**Registration date:**

**Scheduled review date:**

**Body responsible for the qualification:** Namibia Training Authority

**Other bodies whose unit standards are included in the qualification:** None

## **1. Purpose**

This qualification recognises people who have the competencies required for performing Instrumentation and Control tasks. It is awarded to people who have demonstrated the skills and knowledge required to Apply knowledge of Programmable Logic Controllers, Tune and adjust control loop, Apply Knowledge on Supervisory Control and Data Acquisition (SCADA), Manage a project, Apply knowledge of Industrial communication, Apply knowledge of data communication, Demonstrate knowledge of data communication

This qualification is designed to be accessible and flexible. The entry requirement is the National Vocational Certificate in Electrical Engineering level 4 (Instrumentation and Control).

The main focus is on the outcomes of this qualification, not the how, when and where learning occurred. Some people applying to do this qualification may currently be competent in one or more of the unit standards and should then be given the opportunity to apply for recognition of prior learning.

## **2. Regulations for the qualification**

### **2.1 Summary of qualification requirements**

This qualification will be awarded to people who are credited with 49 credits and have met the requirements of the compulsory sections.

At least 80% of the standards completed should be accompanied by proof that it has been completed on the job to ensure adequate practical exposure to enable a fit for purpose trainees for the skill set required

## 2.2 Detailed qualification requirements

### Compulsory

All the unit standards listed below are required.

FIELD: Manufacturing and Engineering Technology

Subfield: Electronic Engineering

Domain: Control and Instrumentation

Unit ID	Unit Standard Title	Level	Credits
xxxx	Apply knowledge of Programmable Logic Controllers	5	9
xxxx	Tune and adjust control loop	5	2
xxxx	Apply Knowledge on Supervisory Control and Data Acquisition (SCADA)	5	6
xxxx	Manage a project	5	15
xxxx	Apply knowledge of Industrial communication	5	12
xxxx	Apply knowledge of data communication	5	3
xxxx	Demonstrate knowledge of data communication	5	2
xxxx			
xxxx			

### 3. Credit recognition and transfer arrangements

Credits for any version of a unit standard of the same identification number will be recognised in the award of this qualification.

### 4. Special arrangements

Providers seeking accreditation to deliver this qualification must meet the following special arrangements.

1. Providers involved in the assessment of this qualification and the associated unit standards must comply with the national assessment arrangements for the VET system up to and including level 5 of the Namibia Qualifications Framework. These arrangements apply to all occupations and industries, including Instrumentation and Control, which are encompassed in the vocational education and training sector. A copy of the national assessment arrangements is available from:

Namibia Training Authority

Rand Street

Khomasdal

Namibia

Telephone number: 207 8550

Facsimile number: 207 8551

Email info@nta.com.na

2. Providers of this qualification and the associated unit standards must be accredited.
3. Providers of this qualification and the associated unit standards must have access to all equipment and facilities detailed in the Special Notes and / or Range Statements in the unit standards that comprise this qualification.
4. Providers in receipt of funding through the NTA to deliver this qualification must use the national curriculum and training materials developed by the NTA for the National Vocational Certificate in Electrical Engineering (Level 4) (Instrumentation and Control)

5. The national curriculum and training materials for this qualification are available from:

Namibia Training Authority

Rand Street

Khomasdal

Namibia

Telephone number: 207 8550

Facsimile number: 207 8551

Web: www.nta.com.na

## **5. Transition arrangements**

### **5.1 Non National Qualifications Framework transition**

None.

### **5.2 National Qualifications Framework transition**

This is the first version of this qualification.