

National Vocational Certificate in Automotive Engineering (Level 4) (Automotive Electrical and Electronics)
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level of qualification: 4

	Compulsory	Elective
level 4 credits available	59	-
minimum totals required	59	-

registration date: 15 November 2007

scheduled review date: 2012

body responsible for the qualification: Project Management Unit - 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 automotive electrical and electronics tasks. It is awarded to people who have demonstrated the skills and knowledge required to diagnose and service electronically controlled safety and security systems of a vehicle; diagnose and service electronically controlled driver information systems of a vehicle; diagnose and service electronically controlled running gear systems of a vehicle; diagnose and service electronically controlled drive train systems of a vehicle; diagnose and service electronically controlled body management systems; diagnose and service electronic diesel engine management system; diagnose and service electronically controlled comfort systems of a vehicle; negotiate action plan for addressing customer requirements; diagnose and service petrol fuel injection system of a motor vehicle; and diagnose and service engine management system.

This qualification is designed to be accessible and flexible. The entry requirement is the National Vocational Certificate in Automotive Engineering (Level 3) (Automotive Electrical and Electronics) or equivalent.

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 59 credits and have met the requirements of the compulsory sections.

2.2 detailed qualification requirements

Compulsory

All the unit standards listed below are required.

FIELD: Manufacturing, Engineering and Technology
 Subfield: Automotive Engineering
 Domain: Automotive Electrical and Electronics

Unit No.	Unit Standard Title	Level	Credit
491	Diagnose and service electronically controlled safety and security systems of a vehicle	4	7
492	Diagnose and service electronically controlled driver information systems of a vehicle	4	7
493	Diagnose and service electronically controlled running gear systems of a vehicle	4	7
494	Diagnose and service electronically controlled drive train systems of a vehicle	4	7
495	Diagnose and service electronically controlled body management systems	4	8
496	Diagnose and service electronic diesel engine management system	4	5
497	Diagnose and service electronically controlled comfort systems of a vehicle	4	5

AND

FIELD: Manufacturing, Engineering and Technology
 Subfield: Automotive Engineering
 Domain: Automotive Mechanics

Unit No.	Unit Standard Title	Level	Credit
216	Negotiate action plan for addressing customer requirements in an automotive mechanics workshop	4	3
221	Diagnose and service petrol fuel injection system of a motor vehicle	4	6
227	Diagnose and service engine management system	4	4

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 automotive electrical and electronics, which are encompassed in the vocational education and training sector. A copy of the national assessment arrangements is available from:

Project Management Unit – Namibia Training Authority

Rand Street

Khomasdal

Namibia

Telephone number: 27 9550

Facsimile number: 27 9551

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 of programs 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 Automotive Engineering (Level 4) (Automotive Electrical and Electronics).
5. The national curriculum and training materials for this qualification are available from:

Project Management Unit – Namibia Training Authority

Rand Street

Khomasdal

Namibia

Telephone number: 27 9550

Facsimile number: 27 9551

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.