

<b>National Vocational Certificate in Road Construction and Maintenance (Level 2) (Material Testing – Material Tester)</b>
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**level of qualification: 2**

	<b>Compulsory</b>	<b>Elective</b>
<b>level 1 credits available</b>	<b>32</b>	<b>-</b>
<b>level 2 credits available</b>	<b>81</b>	<b>-</b>
<b>level 3 credits available</b>	<b>3</b>	<b>-</b>
<b>minimum totals required for whole qualification</b>	<b>116</b>	<b>-</b>

**registration date:** 2011

**scheduled review date:** 2016

**body responsible for the qualification:** Roads Authority

**other bodies whose unit standards are included in the qualification:**  
Namibia Training Authority - NTA

## **1 purpose**

This qualification is a direct response to the continuous effort of the Roads Authority to address the lack of adequately skilled human resources in road construction and maintenance. The intention of this qualification is to provide learners with the knowledge, understanding, skills and application techniques that they need to be successful in their work as qualified Material Tester. It recognises people who have the competencies required for performing soil material testing as assistant as part of road construction and maintenance tasks.

The main focus of this qualification is the attainment of the required outcomes of learning, not the how, when or where learning occurred. Some people applying to attain 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.

The unit standards making up this qualification ideally expected learners to have basic communication and numeracy skills.

This qualification represents a stage of progression to other National Vocational Certificates in Road Construction and Maintenance Level 2, 3 and 4.

## **2 regulations for the qualification**

### **2.1 summary of qualification requirements**

This qualification will be awarded to people who are credited with the requirements of the compulsory section.

## 2.2 detailed qualification requirements

### Compulsory

*All the unit standards listed below are required.*

FIELD: PHYSICAL PLANNING AND CONSTRUCTION  
Subfield: Road Construction and Maintenance  
Domain: Road Construction and Maintenance – Core

Unit No.	Unit Standard Title	Level	Credit
704	Undertake road construction and maintenance tasks using hand tools	1	3
706	Demonstrate knowledge of internal disciplinary and grievance procedures in road construction and maintenance	2	3
708	Communicate in the road construction and maintenance industry operations	2	3
712	Comply with health, safety and environmental rules and regulations in road construction and maintenance work operations	2	6
713	Apply productivity principles in routine road construction and maintenance operations	2	5
714	Demonstrate fundamental knowledge of soils used in road construction and maintenance operations	2	5
807	Contribute to project outcomes as a team member in road construction and maintenance operations	2	2
809	Handle and store hazardous material on a road construction and maintenance site	2	3
1035	Demonstrate knowledge of basic road construction and maintenance works	2	4
1043	Extinguish fire by means of basic fire fighting equipment	1	4

FIELD: PHYSICAL PLANNING AND CONSTRUCTION  
Subfield: Road Construction and Maintenance  
Domain: Road Construction and Maintenance – Material Testing

Unit No.	Unit Standard Title	Level	Credit
825	Sample soil and gravel materials as part of materials testing operations	2	12
826	Perform laboratory testing pertaining to soils and gravel as part of material testing operations	2	30
1038	Use GPS as part of a specified road construction	3	3

	and maintenance activity		
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FIELD: PHYSICAL, MATHEMATICAL AND COMPUTER SCIENCES  
Subfield: Information Communication Technology  
Domain: Computing Fundamentals

Unit No.	Unit Standard Title	Level	Credit
166	Use navigational systems in a computer operations	1	5
167	Perform basic word processing	1	10
168	Produce basic spreadsheets	1	10

FIELD: HEALTH SCIENCES AND SOCIAL SERVICES  
Subfield: Core Health  
Domain: HIV and AIDS Awareness

Unit No.	Unit Standard Title	Level	Credit
331	Demonstrate knowledge of HIV and AIDS in the workplace	2	4

FIELD: HEALTH SCIENCES AND SOCIAL SERVICES  
Subfield: Core Health  
Domain: First Aid

Unit No.	Unit Standard Title	Level	Credit
843	Provide basic first aid	2	4

### 3 credit recognition and transfer arrangements

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

### 4 special arrangements

4.1 Special Arrangements apply to the accreditation of providers offering learning pathways to and/or undertaking assessments relating to all unit standards listed in this qualification under the Subfield of Roads Construction and Maintenance. These Special Arrangements are available from:

Roads Technical Training Unit (RTTU)  
Private Bag 12030

Windhoek  
Namibia  
Telephone number: 061-227818  
Facsimile number: 061-227818

- 4.2** Special Arrangements may apply to the accreditation of providers offering learning pathways to and/or undertaking assessment relating to all unit standards listed in this qualification in other Subfields and Domains. These Special Arrangements are available from:

Namibia Qualifications Authority  
44 Bismarck St.  
Windhoek  
Namibia  
Telephone number: 061-384116  
Facsimile number: 061-384114  
Email: [info@namqa.org](mailto:info@namqa.org)

Namibia Training Authority  
Rand Street  
Khomasdal  
Namibia  
Telephone number: 061-27 9550  
Facsimile number: 061-27 9551  
Email: [info@nta.com.na](mailto:info@nta.com.na)

- 4.3** Regardless of the above, providers seeking accreditation through the relevant authorities must have or have confirmed access to all equipment and facilities detailed in the Special Notes, Performance Criteria and/or Range Statements in the unit standards that are included in this qualification.

## **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.