

<b>National Vocational Certificate in Surface Mining and Quarrying (Level 3) (Heavy equipment operations)</b>
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**level of qualification: 3**

	<b>Compulsory</b>	<b>Elective</b>
<b>level 3 credits available</b>	<b>118</b>	<b>160</b>
<b>level 4 credits available</b>	<b>-</b>	<b>20</b>
<b>minimum totals required</b>	<b>118</b>	<b>40</b>

**registration date:** 27 March 2013

**scheduled review date:** 2016

**body responsible for the qualification:** Industry Skills Committee - MQCEGWS

**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 Industry Skills Committee - MQCEGWS (Mining; Quarrying; Construction; Electricity, Gas and Water supply; and Sanitation) to address the lack of adequately skilled human resources in heavy equipment operations with special emphasis on surface mining and quarrying. 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 Heavy Equipment Operator (level 3). It recognises people who have the competencies required for carrying out surface mining and quarrying activities using heavy plant for bulk earthmoving, excavating, loading, and transporting material.

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.

Heavy Equipment Operators (level 3) will require the appropriate driving license when driving heavy equipment that may include but is not limited to trucks and service vehicles, on public roads.

This qualification is based on the assumption that people entering programmes of study leading towards the certificate have already demonstrated ability in heavy equipment operations fundamental skills. Consequently, the National Vocational Certificate in Surface Mining and Quarrying (Heavy equipment operations) (level 2), or the demonstration of equivalent knowledge and skills, is a prerequisite for entry to this qualification.

## 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 and elective set.

### 2.2 detailed qualification requirements

#### Compulsory Set

*All the unit standards listed below are required*

FIELD: PHYSICAL PLANNING AND CONSTRUCTION  
 Subfield: Surface Mining and Quarrying  
 Domain: Heavy Equipment operations

Unit No.	Unit Standard Title	Level	Credit
1121	Carry out surface mining and quarrying activities using a rigid body haulage truck	3	25
1124	Carry out surface mining and quarrying activities using a front end loader	3	25
1126	Carry out surface mining and quarrying activities using a hydraulic excavator	3	35
1130	Request materials, tools and equipment as part of heavy equipment operations	3	8
1131	Apply productivity principles as part of routine heavy equipment operations	3	5

FIELD: MANUFACTURING, ENGINEERING AND TECHNOLOGY  
 Subfield: Lifting, shifting, securing loads  
 Domain: Crane operation

Unit No.	Unit Standard Title	Level	Credit
1093	Lift and place loads with truck mounted crane	3	20

#### Elective Set

*A minimum of 40 credits is required from the following unit standards*

FIELD: PHYSICAL PLANNING AND CONSTRUCTION  
 Subfield: Surface Mining and Quarrying  
 Domain: Heavy Equipment operations

Unit No.	Unit Standard Title	Level	Credit
1120	Operate a grader to carry out surface mining and quarrying operations	3	35

1122	Carry out surface mining and quarrying activities using an articulated haulage truck	3	28
1123	Carry out surface mining and quarrying activities using a dozer	3	35
1127	Carry out bulk earthmoving as part of surface mining and quarrying activities using a hydraulic shovel	3	20
1128	Operate a fuel truck	3	12
1132	Transport large plant or truck using a low-bed truck	3	30
1134	Manage tow truck operations as part of surface mining and quarrying activities	4	20

### 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 Surface Mining and Quarrying. These Special Arrangements are available from:

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

**4.2** 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.