

<b>Domain</b>	<b>ROAD CONSTRUCTION AND MAINTENANCE – ROAD MARKING</b>	<b>Unit ID: 1037</b>
<b>Title:</b>	<b>Set out road marking work</b>	
<b>Level: 3</b>		<b>Credits: 18</b>

### Purpose

This unit standard is intended for those who work in road construction and maintenance operations. People holding credit for this unit standard are able to: Plan and prepare for work; describe set-out requirements for road marking work; set out site for road marking work; and control road marking work.

### Special Notes

1. Entry information:
  - Prerequisite
    - Unit 712 - *Comply with health, safety and environmental rules and regulations in road construction and maintenance work operations*
2. Quality in this unit standard means adherence to contract requirements and workplace instructions.
3. Expected worksite production target are to be met.
4. Assessment evidence may be collected from a real workplace, a simulated workplace or an appropriately simulated environment in which road construction and maintenance operations are carried out.
5. Set-out requirements may include but are not limited to centre lines, edge lines, barrier lines, marking symbols, islands, intersection markings, raised pavement markers.
6. Safe working practices include but are not limited to day-to-day observation of safety policies and procedures, and compliance with emergency procedures.
7. Performance of all elements in this unit standard must comply with all relevant legal and workplace requirements, contractual agreement and/or manufacturers' specifications.
8. Regulations and legislation relevant to this unit standard include but are not limited to the following:
  - Labour Act, No. 11 of 2007
  - Occupational Health and Safety Regulations No. 18, 1997
  - Road Traffic and Transport Regulations No. 52, 1999 and Government Notice No 53 Road Traffic and Transport Regulations
  - Road Ordinance 1972 and other relevant legislations and all subsequent amendments.

### Quality Assurance Requirements

This unit standard and others within this subfield may be awarded by institutions which meet the accreditation requirements set by the Namibia Qualifications Authority and the Namibia Training Authority and which comply with the national assessment and moderation requirements. Details of specific accreditation requirements and the national assessment arrangements are available from the Namibia Qualifications Authority and the Namibia Training Authority. All approved unit standards, qualifications and national assessment arrangements are available on the Namibia Training Authority website [www.nta.com.na](http://www.nta.com.na).

## **Elements and Performance Criteria**

### **Element 1: Plan and prepare for work**

#### **Performance Criteria**

- 1.1 Work instructions, including plans, specifications, quality requirements and operational details are obtained, explained, clarified and applied to the allocated task.
- 1.2 Safety requirements, including personal protective clothing and equipment are obtained from the site safety plan, workplace policies and procedures, and applied to the allocated task.
- 1.3 Traffic control requirements are obtained and implemented according to workplace requirements.
- 1.4 Tools, instruments, equipment, and accessories selected to carry out tasks are checked for consistency with the requirements of the job, their usability and any faults rectified or reported prior to commencement.
- 1.5 Material quantities to carry out the tasks are calculated and procured.
- 1.6 Environmental protection requirements are identified from the project environmental management plan and applied to the allocated task.

### **Element 2: Describe set-out requirements for road marking work**

#### **Performance Criteria**

- 2.1 Set-out requirements are described according to contract and Roads Authority specifications.
- 2.2 Acceptability levels of set-out requirements are described in terms of company requirements and Roads Authority specifications.
- 2.3 Road marking maps and plans are interpreted in terms of scale and symbols.

### **Element 3: Set out site for road marking work**

#### **Performance Criteria**

- 3.1 Job requirements are confirmed according to contract specifications.

- 3.2 Instructions are relayed to operations crew in accordance with contract specifications and company requirements.
- 3.3 Site is set out according to contract specifications.
- 3.4 Layout is confirmed and approved in accordance with contract specifications.

**Element 4: Control road marking work**

**Performance Criteria**

- 4.1 Programme of work is prepared.
- 4.2 Records of labour, material and plant used are captured according to workplace requirements.
- 4.3 Quality control of work is executed to ensure work complies to contract specifications.
- 4.4 Productivity control is executed to ensure compliance to targets.
- 4.5 Deficiencies are identified in terms of meeting programme of work.
- 4.6 Remedial action is recommended to supervisor in line with workplace procedures.

**Registration Data**

<b>Subfield:</b>	Road Construction and Maintenance
<b>Date first registered:</b>	
<b>Date this version registered:</b>	
<b>Anticipated review:</b>	
<b>Body responsible for review:</b>	Namibia Training Authority