

	<b>Unit ID: 1017</b>
<b>Domain</b>	<b>ROAD CONSTRUCTION AND MAINTENANCE – ROAD MARKING</b>
<b>Title:</b>	<b>Perform basic road marking tasks using hand brush or spray gun</b>
<b>Level: 2</b>	<b>Credits: 8</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; prepare surface; prepare marking materials; apply road marking materials; and clean up work area.

### 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. Safe working practices include but are not limited to day-to-day observation of safety policies and procedures, and compliance with emergency procedures.
6. Performance of all elements in this unit standard must comply with all relevant legal and workplace requirements, contractual agreement and/or manufacturers' specifications.
7. 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: Prepare surface**

#### **Performance Criteria**

- 2.1 Area is cleared of dirt, debris and other contaminants.
- 2.2 Set out control points are identified and confirmed according to workplace procedures.
- 2.3 Straight lines, curves and/or symbols are spotted in preparation for marking according to workplace procedures.
- 2.4 Pre-existing visible marks and/or lines are removed in line with workplace procedures.

### **Element 3: Prepare marking materials**

#### **Performance Criteria**

- 3.1 Marking material is mixed and prepared according to manufacturer's and job specifications.

- 3.2 Additives and consistency of material are adjusted to allow easy application and appropriate drying time according to manufacturer's specifications.
- 3.3 Marking material is carefully transferred to applicator container to minimise spillage.

**Element 4: Apply road marking materials**

**Performance Criteria**

- 4.1 Equipment relevant to the task is selected and prepared for operation.
- 4.2 Hand brush or spray gun equipment is applied across the surface with the correct movement and pressure.
- 4.3 Road marking material is applied to the surface providing an even coverage according to workplace procedures and job requirements.
- 4.4 Defects in the coating are identified and corrected.
- 4.5 Equipment is maintained according to manufacturer's specifications and workplace procedures.
- 4.6 Completed work is assessed to comply with job specification, recorded and reported.

**Element 5: Clean up work area**

**Performance Criteria**

- 5.1 Work area is cleared and materials disposed of or recycled in accordance with project environmental management plan.
- 5.2 Tools and equipment are cleaned, checked, maintained and stored according to manufacturers' recommendations and 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