

	Unit ID: 1039
Domain	ROAD CONSTRUCTION AND MAINTENANCE – MACHINE OPERATIONS
Title:	Carry out road construction and maintenance activities using a mobile elevating work platform
Level: 2	Credits: 15

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; assess risk in the work environment; perform maintenance and authorised service operations on the MEWP; conduct pre-operation inspection of MEWP; operate a MEWP; conduct shut down procedures; complete work related documents; and clean up work area.

Being credited with this unit standard does not enable a person to drive the vehicle, if mobile elevating work platform is truck mounted, on an open, public road. In order to do so, a person must be in possession of a valid and current driving licence relevant to this vehicle type.

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 work instructions. It is assumed that the work instructions are informed by contract requirements.
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. *'Mobile elevating work platform - MEWP'* may include but is not limited to scissor lift; articulated booms; telescopic booms; straight booms; stick booms; sigma lifts; truck mounts; trailer mount; and personal lifts.
6. Maintenance may include but is not limited to cleaning, authorised servicing and the monitoring, recording and reporting of faults. It may also include the conduct of authorised minor replacements and the provision of assistance to maintenance and repair activities.
7. Safe working practices include but are not limited to day-to-day observation of safety policies and procedures, and compliance with emergency procedures.

8. Performance of all elements in this unit standard must comply with all relevant legal and workplace requirements, contractual agreement and/or manufacturers' specifications.
9. Regulations and legislation relevant to this unit standard may 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.

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 Plant, tools, fuel, lubricants, equipment, attachments 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 of work.
- 1.5 Environmental protection requirements are identified from the project environmental management plan and applied to the allocated task.
- 1.6 Work area is inspected and prepared according to workplace procedures.

Element 2: Assess risk in the work environment

Performance Criteria

- 2.1 Possible hazardous conditions in the environment, which may be encountered during the operation of a MEWP, are identified.
- 2.2 Hazardous conditions are assessed in terms of direct consequences to person and property.
- 2.3 Hazard control is conducted to comply with standard operating procedures to eliminate, minimise or control risk of injury or damage to people and property.

Element 3: Perform maintenance and authorised service operations on the MEWP

Performance Criteria

- 3.1 MEWP is maintained and serviced in accordance with the workplace requirements and manufacturer's procedures.

Element 4: Conduct pre-operation inspection of MEWP

Performance Criteria

- 4.1 Pre-operational checks are carried out according to manufacturer's specifications and workplace procedures.
- 4.2 A pre-operation full function test is conducted in accordance with manufacturer's specifications.
- 4.3 Faults and/or defects are isolated, tagged and reported according to workplace procedures.

Element 5: Operate a MWEP

Range

The operation of MWEP may include but is not limited to lifting; lowering; slewing; telescoping; manual lowering; using outriggers and/or stabiliser; and levelling.

Performance Criteria

- 5.1 Relevant work instructions are obtained and confirmed in line with workplace procedures.
- 5.2 People, tools and equipment are safely placed on MWEP according to manufacturer's specifications.
- 5.3 Movement of MWEP is conducted in accordance with regulatory and operational requirements.
- 5.4 MWEP is operated according to manufacturer's specifications.

5.5 Emergency procedures are followed in accordance with workplace procedures.

Element 6: Conduct shut down procedures

Performance Criteria

- 6.1 MWEP is shut down according to manufacturer’s specifications.
- 6.2 MWEP is stowed and secured after use according to manufacturer’s specifications and workplace procedures.

Element 7: Complete work related documents

Performance Criteria

- 7.1 Work related documents are completed in accordance with contract and workplace requirements.
- 7.2 Maintenance and service related documents are completed in accordance with manufacturer and workplace requirements.
- 7.3 Documents related to accidents or other incidents are completed in accordance with workplace requirements.

Element 8: Clean up work area

Performance Criteria

- 8.1 Work area is cleared and materials disposed of or recycled in accordance with project environment management plan.
- 8.2 MWEP, tools and equipments are cleaned, checked, maintained, serviced and stored in accordance with manufacturers’ recommendations and standard work practices.

Registration Data

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