

Unit ID: FM005

Domain
Unit Title:

MAINTENANCE OPERATIONS
Implement work activities as part of a
maintenance plan

Level: 2

Credits: 4

Purpose

This unit standard is intended for those who carry out facility maintenance operations. People holding credit for this unit standard are able to: Demonstrate knowledge of predictive and preventive maintenance; Plan and prepare for work; Carry out maintenance; and Clean up work area.

Special Notes

1. Assessment evidence may be collected from a real workplace or a simulated workplace in which facility maintenance operations are carried out.
 - The candidate is required to adhere to safe working practices throughout all elements, which may include but are not limited to day-to-day observation of safety policies and procedures, compliance with emergency procedures, and fire fighting procedures.
 - The candidate is required to apply basic planning and organising skills, problem solving skills, and self-management skills.
 - To demonstrate competence, at a minimum, evidence is required to carrying out any two (2) preventive or predictive maintenance activities that are appropriate to the level of this unit standard and the type of workplace where the assessment is taking place.
2. Specifications refer to any, or all of the following: manufacturer's specifications and recommendations, and workplace specific requirements.
3. Performance of all elements in this unit standard must comply with relevant regulatory, legislative, and workplace requirements, manufacturers' specifications, and/or best industry practice.
4. Glossary of terms
 - '*Preventive maintenance*' refers to maintenance procedures based on a planned schedule.
 - '*Predictive maintenance*' refers to maintenance procedures based on the actual condition.
5. Regulations and legislation, including subsequent amendments, relevant to this unit standard may include but are not limited to the following:
 - Labour Act, No. 11, 2007;
 - Regulations relating to the Health and Safety of employees at work, 1997; and all industry specific regulations, legislations, code of practice, or code of conduct.

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: Demonstrate knowledge of predictive and preventive maintenance

Performance Criteria

- 1.1 The principles of a maintenance programme are described.
- 1.2 The need for predictive and preventive maintenance is identified.
- 1.3 Root-causes of equipment failure and/or breakdowns, and their consequences are described.

Element 2: Plan and prepare for work

Range

Tools and equipment may include but are not limited to common hand tools; specialised tools; garden tools; machine tools; ladders; scaffolding; and safety equipment.

Performance Criteria

- 2.1 Work instructions from maintenance plan are obtained, explained, clarified and applied to the allocated task.
- 2.2 Potential hazards, including implications of exposure to hazardous fumes and dust in the work area are identified, minimised or eliminated.
- 2.3 Safety and security requirements, including personal protective clothing and equipment are obtained and applied to the allocated task.
- 2.4 Materials, tools and equipment are selected according to job requirements.
- 2.5 Spot sheets, where required, are placed to protect adjoining surfaces, items, and/or objects from splashes, dust, dirt and damage.

Element 3: Carry out maintenance

Performance Criteria

- 3.1 Maintenance activities are carried out in accordance with best industry practice and workplace procedures.
- 3.2 Materials, tools and equipment used are ensured to be appropriate for the maintenance task.
- 3.3 Workplace documents are completed according to workplace procedures.
- 3.4 Deviations or malfunctions are reported for further actions to appropriate personnel according to workplace procedures.

Element 4: Clean up work area

Performance Criteria

- 4.1 Tools and equipment are maintained and stored according to best industry practice and workplace procedures.
- 4.2 Waste are removed and disposed of in accordance with legal requirements and workplace procedures.

Registration Data

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