

Domain	BUILDINGS AND FIXTURES	Unit ID: 1336
Title:	Carry out basic repair and maintenance of farm buildings	
Level: 2	Credits: 4	

Purpose

This unit standard specifies the competencies required to:

- Demonstrate knowledge of the basic principles of repairs and maintenance of farm buildings
- Prepare to carry out repairs and maintenance of farm buildings
- Carry out repair and maintenance of farm buildings
- Completion of repair and maintenance activities of farm.

This unit is intended for people who work in agriculture as well as people who build farm houses.

Special Notes

1. Entry information:

Prerequisite:

- None

2. This unit standard is to be delivered and assessed in the context of agricultural operations and can be assessed in conjunction with other relevant technical unit standards.

3. The evidence required to demonstrate competency in this unit must be relevant to workplace operations.

4. Assessment evidence may be collected from a real workplace or an appropriate simulated environment in which agricultural operations are carried out.

5. All inspection, operation and maintenance procedures associated with the use of tools and equipment shall comply with manufacturers' guidelines and instructions.

6. Glossary of terms

- '*Farm buildings*' include but are not limited to pig sties, poultry houses, farm houses.
- '*Concrete structures*' may include but not limited to water and feed troughs, tanks, reservoirs, concrete pads, culvert head walls, ramps, gutters, paths, walls and sumps.
- '*Materials*' may include but are not limited to bricks, sand cement, paint, timber, corrugated sheets, metal, piping, glass and fasteners.
- '*Tools and equipment*' may include but is not limited to hand or small power tools, welding equipment, ladders, shovels, string lines, socket sets, saws, spirit levels, tape measures, paint brushes, cement mixers, wheelbarrows, rakes, wooden floats, hand trowel, screeds, hammers, hoses, buckets, immersion vibrator, tarpaulins/covers, curing agent applicator, brushes, tool belts, bolt cutters and reinforcement benders.
- '*Workplace procedures*' may include but are not limited to work notes, plans, product labels, manufacturer's specifications, operator's manuals, safety plans, fire control, waste disposal, recycling, re-use guidelines and supervisors oral or written instructions.

- '*Farm electricity and appliances*' may include but are not limited to brooder houses, electric motors, plugs, change of bulbs.
- '*Safety requirements*' may include but are not limited to safe systems and procedures for safe worksite work practices, carrying out maintenance operations, manual handling, hazard and risk control, the handling, application and storage of hazardous substances, operating and handling equipment safe use of hand and power tools and equipment, clear communication signals between operators, maintaining personal hygiene, outdoor work and the appropriate use and maintenance of personal protective equipment.
- '*Personal Protective Equipment (PPE)*' may include but is not limited to boots, overalls, gloves, protective eyewear, hearing protection, respirator or face mask, high visibility clothing and sun protection.
- '*Hazards*' may include but are not limited to sharp materials, uneven surfaces, working at heights, confined spaces, manual handling, and hazardous substances, underground and above ground services, electricity, solar radiation, tools and equipment, dusts, noise, moving machinery and vehicles.

7. Regulations and legislation relevant to this unit standard include the following:

- Occupational Health and Safety Regulations No. 18, 1997
- Regulations relating to the Health and Safety of employees at work, 1997
- Labour Act, No. 11, 2007
- National Agricultural Policy , 1995
- National Drought Policy , 1997
- Environmental Management Act-No: 7 of 2007
- Standards Act, 2005, Standards Regulations: Standards Act, 2005 and relevant Namibian Standards as established

and all subsequent amendments to any of the above.

Quality Assurance Requirements

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 on www.namqa.org and the Namibia Training Authority on www.nta.com.na.

Elements and Performance Criteria

Element 1. Demonstrate knowledge of the basic principles of repairs and maintenance of farm buildings

Performance Criteria

- 1.1 Basic principles of repair and maintenance of farm buildings are described.
- 1.2 Types of farm buildings and concrete structures are identified.

Element 2. Prepare to carry out repairs and maintenance of farm buildings

Range

Environmental implications may include but is not limited to waste management, water quality protection, soil contamination and erosion.

Performance Criteria

- 2.1 Farm building repairs and maintenance requirements are identified and determined according to workplace objectives.
- 2.2 Suitable options for farm buildings maintenance are identified in consultation with the supervisor.
- 2.3 Safety requirements are followed in accordance with safety plans and policies.
- 2.4 Hazards are identified, risk assessed and suitable controls implemented in accordance with workplace requirements and procedures.
- 2.5 Suitable personal protective equipment (PPE) is selected, used and maintained.
- 2.6 Materials quantities required in carrying out farm building repairs and maintenance are identified, sourced and arranged on site according to workplace procedures.
- 2.7 The quantity and quality of materials are checked to ensure they conform to specifications.
- 2.8 Tools and equipment are checked for serviceability according to workplace procedures.
- 2.9 Faulty or unsafe tools and equipment are identified and segregated for repair or replacement according to workplace procedures.
- 2.10 Environmental requirements of repairing farm buildings are followed in accordance with safety plans and policies.

Element 3. Carry out repair and maintenance of farm buildings

Range

Building to be repaired and maintained may include are but not limited to sheds, buildings, window repairs, replacement of glass panes or louvres, replacement of insect screens or fly wire, use of sealants, painting, basic plumbing, repair of electric appliances, replacement of corrugated iron sheets, guttering and downpipes. Basic bricklaying, concrete finishing, plastering, timber and metalwork repairs.

Services may include but are not limited to above and below ground electricity and water supplies and including basic repair and maintenance of farm electricity and appliances.

Performance Criteria

- 3.1 Farm buildings are repaired or maintained as required according to workplace objectives.
- 3.2 Farm buildings are assessed for soundness and functionality in accordance with workplace requirements.
- 3.3 Safety requirements are followed in accordance with safety plans and policies.

Element 4. Complete repair and maintenance activities of farm buildings

Performance Criteria

- 4.1 Quality of finished works is inspected to ensure the standard of the finished structure or feature is in accordance with workplace procedures.
- 4.2 Worksite, tools and equipment are cleaned, returned to operating order, and stored according to workplace procedures.
- 4.3 Unused materials and waste from maintenance activities are collected, treated and disposed of or recycled according to environmental and workplace procedures.
- 4.4 Relevant information is documented and reported according to workplace procedures.

Registration Data

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