

Domain	PLUMBING	Unit ID: 447
Title:	Use and maintain power tools and machines as part of plumbing operations	
Level: 2		Credits: 4

Purpose

This unit standard specifies the competencies required to safely and effectively use and maintain power tools and machines used in plumbing operations. It includes the identification, selection, use and maintenance of power tools and machines used in plumbing work.

This unit standard is intended for those who work as plumbers.

Special Notes

1. Entry information:
 - Prerequisites
 - 434 - *Apply safety rules and regulations in plumbing operations* or demonstrated equivalent knowledge and skills.
2. Assessment evidence may be collected from a real workplace or simulated real workplace or an appropriate simulated realistic environment in which plumbing operations are carried out.
3. Power tools and machines include but are not limited to thread cutting machine, guillotine machines, arc miller, folding machine, pipe bender, grinders, drilling machines, compressors, power saws and power drills.
4. All inspection, operation and maintenance procedures associated with the use of power tools and machines shall comply with manufacturers' guidelines and instructions.
5. Performance of all elements in this unit standard must comply with workplace specific requirements and manufacturers' recommendations and/or instructions.
7. Regulations and legislation relevant to this unit standard include the following:
 - Labour Act, No. 6, 1992
 - Occupational Health and Safety Regulations No. 18, 1997 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 on www.nta.com.na.

Elements and Performance Criteria

Element 1: Identify, select and use power tools and machines for plumbing operations

Performance Criteria

- 1.1 Types and functions of power tools and machines used in plumbing operations are identified.
- 1.2 The methods of operation of power tools and machines are identified from manufacturers' instructions.
- 1.3 Specific safety requirements are identified and applied.
- 1.4 Personal protective equipment required for the operation of power tools and machines is identified, worn and maintained in line with regulatory and workplace requirements.
- 1.5 Power tools and machines are used safely and effectively in line with manufacturers' recommendations and regulatory requirements.

Element 2: Clean up work area

Performance Criteria

- 2.1 Work is completed and appropriate personnel notified in line with workplace procedures.
- 2.2 Work area is cleared of waste, cleaned, restored and secured in line with workplace procedures.
- 2.3 Power tools and machines are cleaned, checked and maintained in line with workplace procedures.
- 2.4 Work completion details are finalised in line with workplace procedures.

Registration Data

Subfield:	General Construction
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Anticipated review:	2010
Body responsible for review:	Namibia Training Authority