

Domain	PLUMBING	Unit ID: 450
Title:	Carry out basic levelling as part of plumbing operations	
Level: 2		Credits: 3

Purpose

This unit standard specifies the competencies required to carry out basic levelling as part of plumbing operations. It includes planning and preparing for work, using basic levelling equipment to establish, record and apply levels to plumbing work and cleaning up the work area.

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

Special Notes

1. Entry information:
 - Prerequisite
 - 434 - *Apply safety rules and regulations in plumbing operations* or demonstrated equivalent knowledge and skills.
2. Tools may include but are not limited to spirit level, line level, laser level, boning rod, straight edge, plumb bob, hammers and mallets.
3. Materials may include but are not limited to builders' string, nails, chalk lines, wooden and steel pegs.
4. All inspection, operation and maintenance procedures associated with the use of tools and equipment shall comply with manufacturers' specifications and workplace specific requirements.
5. Performance of all elements in this unit standard must comply with workplace specific requirements and manufacturers' instructions and/or recommendations.
6. 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: Plan and prepare for work

Range

Planning and preparation may include but is not be limited to workplace inspection, equipment defect identification, assessment of conditions and hazards and determination of work requirements.

Performance Criteria

- 1.1 Requirements of the job are determined and various levels are obtained.
- 1.2 Safety requirements associated with levelling activities, and the workplace environment, are adhered to throughout the work in line with workplace procedures.
- 1.3 Quality assurance requirements are identified and adhered to in line with workplace procedures.
- 1.4 Tools and equipment, including personal safety equipment, are selected and checked for serviceability in line with workplace procedures.

Element 2: Perform levelling

Performance criteria

- 2.1 Height to be transferred is identified from drawings, plans or instructions.
- 2.2 Levelling equipment is set up in line with manufacturers' instructions and workplace procedures.
- 2.3 Laser levels are operated in line with workplace procedures and manufacturers' instructions.
- 2.4 Levels are shot, recorded and marked in line with job requirements and workplace procedures within the required tolerance and specifications.

Element 3: Clean up work area

Performance criteria

- 3.1 Work area is cleared and materials disposed of or recycled in line with workplace procedures.
- 3.2 Tools and equipment are cleaned, checked, maintained and stored in line with manufacturers' recommendations and workplace procedures.
- 3.3 Documentation is completed in line with workplace procedures.

Registration Data

Subfield:	General Construction
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