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| Domain | PLUMBING | Unit ID: 470 |
| Title: | Plan and prepare quotations for plumbing projects and products | |
| Level: 4 | | Credits: 4 |

Purpose

This unit standard specifies the competencies required to plan and prepare quotations for different projects and products. This includes determining the required quantities and costs of equipment, tools, materials and labour for different tasks.

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. To demonstrate competence, at a minimum, evidence is required of determining and estimating the quantities and costs of the required labour and materials for three (3) different plumbing projects/products.
4. Tools, equipment, accessories and materials ,may include but are not limited to calculators, schedules, formats and instructions for the estimation cost quantities and costs and the preparation of quotations.
5. 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.
6. Performance of all elements in this unit standard must comply with all relevant workplace requirements and/or manufacturers' specifications.
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

Elements and Performance Criteria

Element 1: Determine the types, quantities and cost of labour and materials required for plumbing projects and products

Performance criteria

- 1.1 Specification for plumbing projects and products are determined from plans, drawings and client instructions.
- 1.2 Types and quantities of materials required for plumbing projects and products are calculated and recorded in line with workplace procedures.
- 1.3 Labour and other requirements needed for plumbing projects and products are determined and costed in line with workplace procedures.

Element 2: Organise quotations for plumbing projects and products

Performance criteria

- 2.1 Quotations are prepared in line with workplace procedures.
- 2.2 Quotations are presented and explained to clients in line with workplace procedures.

Registration Data

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| Subfield: | General Construction |
| Date first registered: | 15 November 2007 |
| Date this version registered: | 15 November 2007 |
| Anticipated review: | 2010 |
| Body responsible for review: | Namibia Training Authority |