

Domain
Title:
Level: 1

CARPENTRY
Construct timber joints by hand

Unit ID: 1574

Credits: 4

Purpose

This unit standard specifies the competencies required to construct timber joints by hand. It includes identifying and selecting types of timber joints for different applications, marking out joints, cutting and chiselling joints, applying fitting and finishing procedures of timber joints, completing work and cleaning up the work area.

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

Special Notes

1. Entry information:

Prerequisite:

- *1157-Demonstrate basic knowledge of workplace health and safety or demonstrated equivalent knowledge and skills.*

2. This unit standard is to be delivered and assessed in the context of carpentry operations and should be assessed in conjunction with other relevant technical unit standards selected from this domain.
3. To demonstrate competence, at a minimum, evidence is required of constructing timber joints by hand in undertaking a range of tasks.
4. Assessment evidence may be collected from a real workplace or simulated workplace in which carpentry operations is carried out.
5. All inspection, operation and maintenance procedures associated with the use of tools and equipment shall comply with manufacturers' and company guidelines, instructions, and reasonable flat rate time.
6. All joints to be completed and fitted according to specifications on sketches and with specified tolerances.
7. Timber joints may include but are not limited to butt, halving, housing, mortise and tenon, bridle, dowel, dovetail and mitre joints.
8. Materials, adhesives and fixatives may include but are not limited to timber, nails, screws and glue.
9. Regulations and legislation relevant to this unit standard include the following:
 - Labour Act No 11, 2007 as amended;
 - 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 on www.namqa.org and the Namibia Training Authority on www.nta.com.na.

Elements and Performance Criteria

Element 1: Identify and select types of timber joints for different applications

Performance criteria

- 1.1 Timber joints are identified and explained.
- 1.2 Functions and limitations of different timber joints are explained.
- 1.3 Timber joints are selected consistent with job requirements and details in drawings and specifications.

Element 2: Mark out joints

Performance criteria

- 2.1 Marking out procedure is identified in line with workplace requirements.
- 2.2 Marking out tools are selected and safely used in line with manufacturers' specifications.
- 2.3 Marking out is carried out according to specifications on drawings and sketches.

Element 3: Cut and chisel joints

Performance criteria

- 3.1 Cutting and chiselling tools are identified.
- 3.2 Cutting and chiselling are explained.

Element 4: Apply fitting and finishing procedures to timber joints

Performance criteria

- 4.1 Fitting of joints are explained.
- 4.2 Faults in fitting joints are identified and rectified in line with workplace procedures.

- 4.3 Finishing products are identified and selected in line with specifications.
- 4.4 Appropriate finishing method is applied in line with specification.

Element 5: Complete work and clean up the work area

Performance Criteria

- 5.1 Work is completed and appropriate personnel notified in line with workplace procedures.
- 5.2 Work area is cleared of waste, cleaned, restored and secured in line with workplace procedures.
- 5.3 Tools and equipment are cleaned, checked and maintained in line with workplace procedures.
- 5.4 Work completion details are finalised in line with workplace procedures.

Registration Data

Subfield:	General Construction
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Anticipated review:	2021
Body responsible for review:	Namibia Training Authority