

Domain

CARPENTRY

Title:

Plan and install wooden flooring systems

Level: 4

Credits: 5

Purpose

This unit standard specifies the competencies required to plan and install wooden flooring systems. It includes planning and preparing for work, setting out and installing flooring systems and finishing flooring installation.

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. To demonstrate competence, at a minimum, evidence is required of installing floor systems with a frame. Floor systems and floor coverings includes:

- suspended floor
- floor frames including conventional bearers and joints or drop in (or inline or deep) joists construction
- sub-floor frame made of timber or metal.

3. Assessment evidence may be collected from a real workplace, or simulated real workplace in which carpentry operations are carried out.

4. Tools, equipment and accessories may include but are not limited to measuring instruments, hammers, nail punches, spirit levels, squares (combination or tri), nail bags, marking equipment, string lines, floor cramps, hand saws, power drills and may include but is not limited to nail guns, air compressors, hoses spanners, power screwdrivers, power planes and optical levelling equipment.

5. Materials may include but are not limited to timber, metal, nails, screws, adhesives, and patented metal fasteners, connectors, reconstituted timber and piers.

6. 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.

7. 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: Plan and prepare for work

Range

Planning and preparation include but are not limited to worksite inspection, equipment and materials defects identification, assessment of conditions and hazards and determination of work requirements.

Performance criteria

- 1.1 Work instructions, including plans, specifications, quality requirements and operational details are developed and applied.
- 1.2 Safety requirements are followed in line with safety plans and policies.
- 1.3 Sign and barricade requirements are identified and implemented.
- 1.4 Tools and equipment selected to carry out tasks are consistent with the requirements of the job, checked for serviceability and any faults are rectified or reported prior to commencement of work.
- 1.5 Material quantity requirements are calculated in line with plans and specifications.
- 1.6 Materials appropriate to the work application are prepared, safely handled and located ready for use.
- 1.7 Environmental protection requirements are identified and applied in line with environmental plans and regulatory obligations.

Element 2: Set out and install flooring systems

Performance criteria

- 2.1 Site drawings are interpreted and explained.
- 2.2 Floor space is checked in line with workplace procedures.

- 2.3 Mount timber bearers is demonstrated.
- 2.4 Conduct timber floor installation according to specifications.
- 2.5 Fix flooring components according to specifications.

Element 3: Finish flooring installation

Performance Criteria

- 3.1 Flooring materials are inspected according to specifications.
- 3.2 Flooring sealed according to specifications.
- 3.3 Doorways are inspected according to specifications.

Registration Data

Subfield:	General Construction
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