

Domain**CARPENTRY****Title:****Renovate and maintain structural components****Level: 4****Credits: 7****Purpose**

This unit standard specifies the competencies required to renovate and maintain structural components. It includes planning and preparing for work, identifying defects and damages on structural components, renovating of structural components and maintaining of structural components.

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 renovating and maintaining structural components. Structural components include roofing, ceilings, floors, windows, doors, partitions, stairs and wall claddings.

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

4. Glossary of terms:

- *'renovation'* means to repair and improve a structure.

5. Renovating may include but not limited to repair, replace and restore assignments.

6. Maintains processes may include but not limited to staining, bleaching, varnishing, waxing, applying lacquer, paint, repaint and oiling of surfaces and sealing of leaks.

7. 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.

8. 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 obtained, confirmed 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 Machines and accessories are set up and adjusted in line with given specifications.
- 1.6 Material quantity requirements are calculated in line with plans and specifications.
- 1.7 Materials appropriate to the work application are identified, obtained, prepared safely handled and located ready for use.
- 1.8 Environmental protection requirements are identified and applied in line with environmental plans and regulatory obligations.

Element 2: Identify defects and damages on structural components

Performance criteria

- 2.1 Common defects and damage in structural components are identified and explained.

- 2.2 Common treatments and remedies for defects and damage in structural components are identified and explained.
- 2.3 Structural components are inspected for defects and damage in line with workplace procedures.
- 2.4 Defects, damages and problems are identified, recorded and discussed with client in line with workplace procedures.

Element 3: Renovation of structural components

Performance criteria

- 3.1 Renovation methods are selected in line with job requirements and workplace procedures.
- 3.2 Materials to be used are identified and selected.
- 3.3 Renovation processes are applied in line with workplace procedures.

Element 4: Maintenance of structural components

Performance criteria

- 4.1 Maintenance methods are selected in line with job requirements and workplace procedures.
- 4.2 Maintenance processes are applied in line with workplace procedures.
- 4.3 Contract line item requirements are identified
- 4.4 Periodic quality assurance carried out.

Registration Data

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| Date first registered: | 08 June 2016 |
| Date this version registered: | 08 June 2016 |
| Anticipated review: | 2021 |
| Body responsible for review: | Namibia Training Authority |