

**Domain  
Title:**

**JOINERY AND CABINET MAKING  
Produce computer aided project  
production drawings**

**Level: 4**

**Credits: 5**

**Purpose**

This unit standard specifies the competencies required to produce computer aided production drawings. This includes identifying object to be drawn, establishing drawing criteria and limitations, drafting initial drawing, and completing drawing.

This unit standard is intended for those who work as joiners and cabinet makers.

**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 producing computer aided project production drawings.
3. Project production drawing includes but not limited to orthographic, isometric, oblique and perspective.
4. Equipment includes but not limited to computers with a drawing program and printer.
5. Assessment evidence may be collected from a real or simulated workplace in which joinery and cabinet making operations are carried out.
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;
  - SABS 0400, NOSA, Local Authorities Act;
  - 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](http://www.namqa.org) and the Namibia Training Authority on [www.nta.com.na](http://www.nta.com.na).

## **Elements and Performance Criteria**

### **Element 1: Identify object to be drawn**

#### **Performance criteria**

- 1.1 Purpose and operational characteristics of the object to be drawn are identified.
- 1.2 Production materials and method are identified in line with workplace procedures.

### **Element 2: Establish drawing criteria and limitations**

#### **Performance criteria**

- 2.1 Drawing to be completed is identified.
- 2.2 Drawing requirements including dimensions, angles, shapes and finished sizes, are established and documented.
- 2.3 Drawing conventions and specifications to be noted on the drawing are identified.
- 2.4 Appropriate medium for drawing is selected.

### **Element 3: Draft initial drawing**

#### **Range**

Computer and drawing software required.

#### **Performance criteria**

- 3.1 Dimensions are plotted from criteria and documented specifications.
- 3.2 Dimensional points are connected to match appropriate drawing views.
- 3.3 Production notes or special requirements are noted.
- 3.4 Drawing conventions and specifications are noted on the documentation.

#### **Element 4: Complete drawing**

##### **Performance criteria**

- 4.1 Angles, shapes and dimensions are checked.
- 4.2 Adjustments are made to the drawing within scope of authority.
- 4.3 Drawing is checked for compliance with workplace documentation requirements.

##### **Registration Data**

<b>Subfield:</b>	Manufacturing
<b>Date first registered:</b>	15 November 2007
<b>Date this version registered:</b>	28 March 2018
<b>Anticipated review:</b>	2023
<b>Body responsible for review:</b>	Namibia Training Authority