



Woodworker

The candidate applying to be trade tested for the Certificate of Competence should be in possession of the majority of the following knowledge, competencies & skills:

- Awareness of Health & Safety precautions at the working environment
- How to work within a team
- Awareness of manufacturing consumables such as fluids & lubrications
- Proper handling of Hand Tools
- Identification of Timber & Characteristics
- Awareness & manufacturing of specified joints
- Measurements & calculations
- Finishing procedures (prior to polishing & painting)
- Assembling of structures
- Selection and application of screws (nails, staples, etc)
- Selection and application of fittings (linges, locks, etc)
- Selection and application of glues
- Selection and application of abrasives
- Calculations of materials and performing from a working drawing
- Planning & time management skills on interim products
- On-site measurements
- On-site assembling
- Awareness & creativity to create design & style
- Application of Jigs
- Related jobs to bench work (preparation, process & finishing of the project)
- Rod system
- The upkeep, setting & maintenance of all cutters, drills & bits
- How to diagnose machinery primary faults

Common Tools for Marking

The Handling of the following tools:

Mortise gauge, compass, divider

Marking gauge

Combinations square

Sliding Bevel

Try Square

Spirit Level

Measuring Tape

Hand- Cutting Tools

The Handling of the following tools:

Files of different shapes & grades

Rasps of different shapes & grades

Woodworking chisels

Woodworking saws

Scriber knife

Inner & outer gauges

Different types of planes

Sharpening Tools

The Handling of the following tools:

Slipstone/Oilstone Carborandum wheel

Burnisher

Files with different shapes

Saw set

Machines

How to operate, upkeep and setting of the following machines:

Band saw

Belt sander

Circular and thicknesser planer

Spindle Moulder
Mortiser
Lathe
Universal Machine
Air compressor
Radial Arm Sawing Machine

Types of Screws and their uses

The Use and Application of:

G-clamps
Sash clamps
Bench holdfast
Eccentric cams
Corner clamps

Clamping & Fastening

To distinguish the length, gauge & suitable material for each specific job:

Counter sunk screws
Round head and raised head screws
Chipboard screws
Ornamental screws

Portable Electric and Pneumatic Hand Tools

How to operate and handling of the following:

Orbital Sander
Jig Saw
Planer
Driller
Screw driver
Hot Iron
Cross Cut Saw
Belt Sander

Disc Sander
Router
Stapler & Nailing

ASSESSMENT CRITERIA

Woodworker

1. Introduction

The following is a detailed description of the assessment criteria to be adopted by the Trade Testing Board (TTB) to reach a final decision on the award of a Certificate of Competence.

2. Trade Test

The trade test is to be made up of the following four components:

1. The Written
2. The Practical
3. The Interview

**The Board has agreed on the sequence of the Assessment and the markings allocated to each specific component
As indicated in the table below.**

Component	Mark	Pass Mark
Written	100	50%
Interview	100	50%
Practical	100	50%

WRITTEN TEST COMPONENT

The Board has agreed that candidates will sit for the written test of which duration is of 2 hours

Topics for the Written Component will cover the following:

1. Timber: Different type of timber and their uses
2. Cross section of a trunk
3. Man-made boards and their uses
4. Calculation and their cutting list
5. Different cuts of timber conversion
6. Health & Safety
7. Hand Tools
8. Light Duty Wood-working machines
9. Portable Electrical & Pneumatic Hand tools
10. Glues
11. Abrasives
12. Fittings
13. Basic Geometry
14. Working Drawing
15. Joints
16. Standard sizes

INTERVIEW COMPONENT

The following is an outline of the Assessment Criteria to be adopted by the Board to complete the required Skills Assessment Tests.

Interview

All candidates will be called for an interview

The duration of the interview will be 20 to 30 minutes during which the Board will have the opportunity
To put forward questions related to the various skill requirements and work elements

The Interview questions will cover the following topics:

- (a) Work Experience
- (b) Health & Safety
- (c) Power electric & pneumatic hand tools
- (d) Timber Identification & their uses
- (e) Tools such as Power hand tools and their horse power
- (f) Types of glues
- (g) Measurements
- (h) Fittings
- (i) Types of joints for construction

PRACTICAL COMPONENT

The practical session will have duration up to 10 hours.

The candidate will be requested to:

Manufacture a working project (sample projects listed below) within the required time and up to maximum standard, for which the candidate may also be requested to submit a technical drawing

Sample Projects:

- (a) Trolley
- (b) Louvered Frame
- (c) Window with sash bars
- (d) Stool
- (e) Coat Hanger stand
- (f) Cabinet