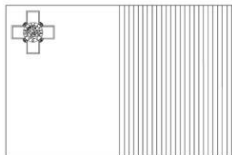


## Woodworker

**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



Operational Programme II – Cohesion Policy 2007-2013  
*Empowering People for More Jobs and a Better Quality of Life*  
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European Social Fund (ESF)  
Co-financing rate: 85% EU Funds; 15% National Funds



### **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

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### 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.**

<b>Component</b>	<b>Mark</b>	<b>Pass Mark</b>
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