

# Model Answers

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## Domain

Furniture Making

## Unit

25536 v1

Operate a bandsaw to produce furniture components

Level 2

Credits 3

## Assessment Information

### Entry Information

There are no pre-requisite requirements for this unit.

### Required Evidence

This Assessment Guide, that includes the following completed assessment tasks:

- » Questions
- » Observation Checklist

### Appeals

The candidate must understand the appeals process before carrying out this assessment.

Information about Competenz's assessment appeals process can be found on the Assessors and Moderators page of Competenz's website [www.competenz.org.nz](http://www.competenz.org.nz).

## Change control

The following changes have been made to 25536 v1 assessment materials.

<b>Edition of this document</b>	<b>Changes made</b>
Edition 3 July 2015	» Updated to Competenz 2017 assessment templates, including the addition of a 'Candidate evidence check', legislative updates in 'Assessment requirements', and the addition of an 'Assessor final judgement' section.  » Updated formatting.  » Footer has been updated to reflect new Edition.
Edition 2 August 2012	No changes. Original document.

## Assessment Requirements

This Assessment Guide is designed to help you provide evidence of your skills and knowledge required by this unit standard.

### Before you begin

Read through the assessment requirements yourself. Talk with your Assessor if there is anything you don't understand.

Meet with your Assessor to plan your assessment. Your Assessor will:

- » talk you through this Guide, and discuss when and how you will be assessed.
- » check you are ready to begin this assessment.

### What you need to do

1. Complete the following assessment tasks:

<b>Questions</b>	Answer questions about operating a bandsaw to produce furniture components.
<b>Observation Checklist</b>	Be observed on-job or off-job. This will involve: <ul style="list-style-type: none"><li>» Preparing to operate a bandsaw to produce furniture components.</li><li>» Operating a bandsaw to produce furniture components.</li></ul>

**Note:** Your Assessor may choose someone to verify and/or observe your work. This person must have expertise in furniture making and could be someone you report to, your trainer, or a supervisor or manager who works with you regularly.

2. You may wish to provide additional supporting evidence that proves you have the knowledge and skills required by this unit. Additional evidence may include, for example, workplace documentation you have used and/or completed, training records, photos, screenshots, printouts, videos, voice recordings.
3. When you have completed all assessment tasks, complete the 'Candidate evidence check' at the end of this Guide.
4. When you are sure you have completed and/or attached everything, contact your Assessor or Account Manager to arrange next steps.

## Conditions

- » Your evidence must clearly show your ability to operate a bandsaw to produce furniture components.
- » Complete all assessment tasks yourself. Use your own words when answering questions.
- » This is a closed book assessment. You must complete it without looking at any training material.
- » All tasks you carry out for this assessment must be completed following workplace procedures, and comply with organisational and legislative (legal) requirements.
- » This unit standard may be assessed against on-job or off-job.
- » Demonstration of competence must include both curved and straight edged components.
- » Personal protective equipment, appropriate to job requirements, is to be selected and used in accordance with worksite policies and procedures and manufacturer's instructions.

## Definitions

- » *Manufacturer's instructions* are instructions provided by manufacturers of substances, equipment, and machinery used in furniture making. These instructions may include details on safe and correct handling, use and storage of substances and/or details on substance properties. Examples are labels on substance containers, product data sheets, and operator's manuals.
- » *Worksite policies and procedures* refer to documented policies and to documented or other directions provided to staff. These may include, but are not limited to, ways of managing health and safety, environmental considerations, quality, and production, and must conform to legislation. Examples include standard operating procedures, company health and safety plans, on-site briefings, and supervisor's instructions. For the purposes of this unit standard worksite policies and procedures may also refer to the policies and procedures of an off-job training site.

## References

- » *Woodwork machinery* regulations refer to the Guidelines for the Safe Use of Woodworking Machinery, Occupational Safety and Health Service (Wellington: Department of Labour, October 1995), and any subsequent amendments. Available at: <http://www.osh.dol.govt.nz>.

## Unit Standard Evidence Map

Unit 25536 v1	Operate a bandsaw to produce furniture components	Level 2	Credits 3
Outcomes and Evidence Requirements		Evidence	No.
<b>Outcome 1:</b> Prepare to operate a bandsaw to produce furniture components.			
1.1	Job specifications are obtained and explained in accordance with worksite policies and procedures.  Range: component dimensions, material, number of items, timeframe.	Question	1
1.2	Materials are selected, measured, and marked out for sawing in accordance with job specifications.	Observation Checklist	1-2
1.3	Environmental and safety requirements are met in accordance with worksite policies and procedures.  Range: electrical power, lighting, ventilation, dust extraction fans.	Observation Checklist	3-6
<b>Outcome 2:</b> Operate a bandsaw to produce furniture components.			
2.1	Bandsaw is operated in accordance with woodwork machinery regulations, manufacturer's instructions and worksite policies and procedures.	Observation Checklist	7-13
2.2	Furniture components meet job specifications.	Observation Checklist	7-13
2.3	Procedure for replacing substandard components is explained in accordance with worksite policies and procedures.	Observation Checklist	7-13
2.4	Blades are checked for sharpness throughout operation and any blades requiring sharpening are reported in accordance with worksite policies and procedures.	Observation Checklist	7-13
2.5	Machine and work area are made clean, clear, and safe in accordance with worksite policies and procedures.	Observation Checklist	7-13

Any queries, contact: Competenz, PO Box 9005, Newmarket, Auckland 1149. Ph. 0800 526 1800

## Questions

Answer the following questions about operate a bandsaw to produce furniture components.

Use your own words. You can answer the questions in writing, or give your answers verbally to your Assessor who will write down what you say. You may need to arrange this in advance with your Assessor.

Draw pictures or diagrams to support your answers if you wish.

Your Assessor may ask you additional questions to check your knowledge and understanding.

### Judgement statements

- The candidate's written and/or verbal responses support their competency.

<b>Your name</b>	
<b>Workplace</b>	
<b>Answers written by:</b> (Tick one)	<input type="checkbox"/> Candidate <input type="checkbox"/> Assessor <input type="checkbox"/> Other (please write):

Using job specifications provided by your assessor (the specification must include both curved and straight edged components) correctly explain the following requirements:



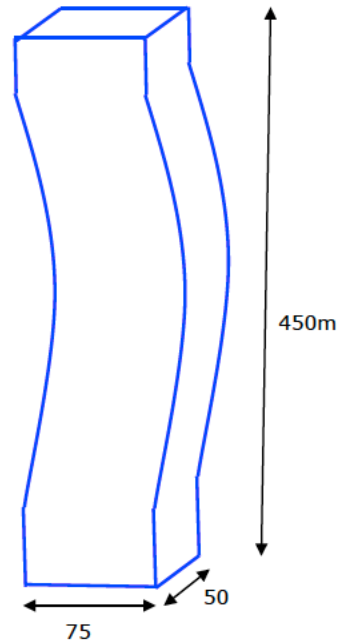
(Attach the specifications to this assessment - *Label as Appendix A*)

### Assessor

This question supports E.R. 1.1.

1. **Sample Job Specifications**

Using the template provided, cut four chair legs. Legs are to be made from 100mm x 50mm Radiata pine. Each leg is 450mm long. The cut is to be made no less than 2mm outside the marked cut line.



### Example answer

Requirement	Explanation
Component dimensions	Length = 450mm Side = 75mm Face = 50mm
Material	Radiata Pine
Number of items	4
Timeframe	15 minutes

You have reached the end of the questions.

# Observation Checklist

Carefully read through this Observation Checklist so you know exactly what is expected.

You, the candidate, must fill in Part A.

Part B will be completed by your Assessor or someone who has been approved by your Assessor.

You must be observed on-job or off-job. This will involve:

- » Preparing to operate a bandsaw to produce furniture components.
- » Operating a bandsaw to produce furniture components.

You may need to be observed more than once.

Your Observer may ask you additional questions to check your knowledge and understanding.

## Note to the Observer

- » Complete Part B of this checklist.
- » Watch the candidate carry out each task.
- » Note down any extra questions you ask of the candidate during the observation, and their response.
- » Make sure the candidate has attached the specifications to this assessment.

## Judgement statements

- The completed Observation Checklist supports the candidate's successful performance in operating a bandsaw to produce furniture components.



## Part A: Candidate to complete this section

Your name [Candidate name provided](#)

Workplace [Workplace identified](#)

## Part B: Observer to complete this section

For each statement below, tick if you agree.

**When demonstrating selection and preparation of materials in accordance with job specifications, the candidate has completed the following:**

**Assessor**

[Checklist 1-2 supports E.R. 1.2](#)



1. Materials that meet specifications are selected.



2. Materials are accurately measured and marked out for sawing



**When demonstrating that environmental and safety requirements are met, the candidate has completed the following:**



**Assessor**

[Checklist 3-6 supports E.R. 1.3](#)

3. Machine has been isolated to legislative requirements before preparation begins.



4. Ensuring lighting meets requirements for worksite policies and procedures



5. Ensuring ventilation meets requirements for worksite policies and procedures



6. Dust extraction system is operating correctly to worksite requirements



**When demonstrating correct operation of a bandsaw to produce furniture components, the candidate has completed the following:**



**Assessor**

[Checklist 7-13 supports E.R. 2.1, 2.2, 2.3, 2.4, 2.5](#)

7. Bandsaw is operated in accordance with woodwork machinery regulations, manufacturer's instructions and worksite policies and procedures



8. Appropriate PPE is selected and used



9. Produce furniture components that meet job specifications for accuracy to any templates/patterns



10. Worksite procedure for replacing substandard components is explained



11. Blades are checked for sharpness throughout the operation.



12.	Blades requiring sharpening are reported in accordance with worksite policies and procedures.	<input checked="" type="checkbox"/>
13.	Machine and work area are cleaned, cleared and left safe in accordance with worksite policies and procedures.	<input checked="" type="checkbox"/>
Please comment on the candidate's ability to operating a bandsaw to produce furniture components.		
Any comments support the candidate's successful performance in meeting the above standards.		
I confirm that I have directly observed the candidate carry out all the above tasks to the standard required.		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Observer name and title</b>	Observer name and title recorded	<b>Signature</b> Observer signed
<b>Phone / Email</b>	Contact details recorded	<b>Date</b> Date recorded

## Candidate evidence check

### Required evidence

Use this checklist to make sure you finished the assessment tasks in full.

Clearly name and label all attachments.

#### I have completed and/or attached:

- The Questions in this guide
- One** Observation Checklist completed and signed by an observer
- The specifications to this assessment labeled as **Appendix A**

#### Assessor

The required evidence for each assessment has been completed and/or attached.

### Additional supporting evidence

If you have any other evidence which helps prove your skills and knowledge in this unit (such as completed documents, photos, videos or voice recordings), attach it and record it below.

Clearly name and label all attachments.

I have attached the following as additional supporting evidence:

#### Assessor

Any additional supporting evidence is relevant and further supports the candidate's competency in this unit.

## Assessor final judgement

After reviewing the candidate's evidence for Unit Standard 25536 v1, it is clear that the candidate can competently:

- Prepare to operate a bandsaw to produce furniture components.
- Operate a bandsaw to produce furniture components.

### Assessor feedback to the candidate

Please provide specific feedback to the candidate about their performance in meeting the requirements of this unit standard.

**Assessor**

Assessor name recorded

**Date**

Date recorded