

Prerequisites: All personnel undertaking this assessment must have previously completed the following;

- Read Bandsaw Risk Assessment, **Task ID. 1011** and associated Standard Operating Procedure, **SP-001**,
- Complete local Workshop Induction.

Competency: Utilize bandsaw to cut material within a workshop in accordance with occupational health and safety standards.

Operations: This assessment should take place in any EAIT Faculty Workshop equipped with a bandsaw. The assessor is required to assess all aspects of the competency regarding the following operations;

1. Pre-operational checks,
2. Operation\Startup of equipment and cut suitable material,
3. Housekeeping.

Instructions: Each intended user of the equipment is required to complete an individual competency assessment, detailed in Section 1 below. Each element is to be assessed and the results recorded below. The actions used and evidence gained to assess competency (listed in Appendix A) are recorded against each criteria. Users are then required to answer the questions in Section 2 and then sign and date this document.

Notes:

Evidence of competency allows the user access to the equipment only for the tasks assessed. Proof of competency does not permit the assessment of untrained personnel's competency using this equipment. Only authorised persons are permitted to assess the competence of others in this process. Competent users will be required to be re-assessed on any related changes to the operating procedures of this equipment.

1. Operational Assessment

Element of competency	Performance criteria	Operation /Scenario	Self-assessment		Assessor review		Action/evidence (Refer to Appendix A)
			Competent	Not yet competent	Competent	Not yet competent	
Pre Operational Checks	Locates bandsaw main electrical box and controller and ensure that the equipment is not tagged out of service.	1					
	The individual must be able to correctly identify, describe and set/adjust: Blade guides post and guards:	1					
	Adjust fence	1					
	Type and size of blade:	1					
	Top and bottom pulley wheel guards:	1					
	E-Stop, start and stop controls:	1					
	Selects and fits appropriate PPE.	1					

COMPETENCY ASSESSMENT: Bandsaw

Element of competency	Performance criteria	Operation /Scenario	Self-assessment		Assessor review		Action/evidence (Refer to Appendix A)
			Competent	Not yet competent	Competent	Not yet competent	
Operation of Bandsaw	Select a suitable piece of 4-20mm stock timber/steel and demonstrate the following process:	2					
	Select correct size and tooth pitch blade.	2					
	Adjust the blade guide post/guard to the appropriate height.	2					
	Cut material showing the correct posture and safety devices. Include a relief cut	2					
Shut down Machine	Follows correct shut down and clean up procedure.	3					

2. Review Questions

Answer the following questions in the spaces provided. If you have any questions please ask the assessor. You may refer to the Risk Assessment, Standard Operating Procedure (SOP) or your notes if required. Once complete, insert your name and details in the space provided and return the completed form to the assessor.

2.1 Always set the blade guide just high enough to clear the part you're cutting? True or False?

2.2 Why should a push stick be used?

2.3 The material to be cut should be at least three tooth pitches for steel or with timber the higher material density requires a larger tooth pitch. True or False?

2.4 When operating the band saw, you should: (*Circle the correct answer*)

A. Keep well balanced and stand carefully.

B. Keep fingers out of the blade path

C. Shut off the machine when backing out of cuts when the blade has jammed.

D. All of the above.

Authorisation					
Employee/Student name	Employee/Student signature	Date	Unit	Assessor name	Assessor signature

Appendix A

Possibilities for Action items		Possibilities for evidence	
A	Watch video	1	Direct observation of performance during work
B	Review procedures	2	Direct observation of performance during simulation
C	Attend central training	3	Return demonstration during training
D	Observe other staff	4	Completed end product, form or document
E	On the job training	5	Verbal assessment
F	Be mentored by person with these skills	6	Written assessment
G	Role play with other staff	7	>1 year Post-training trade experience
H	Online course	8	Other – Provide details
I	Technical trade training		
J	Other – Provide details		