

Assessment Evidence Guide

For

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Level-2

Module name
(Formative Assessment)

8th -12th March 2021



**National Vocational & Technical
Training Commission**

Title of Qualification: Pattern Maker	CS Code:	Level: 2	Version: 01
Competency Standard Title: Manufacture Pattern on CNC Router (surface plate)	Assessment Date (DD/MM/YY): Assessment Time: 2 hours		

Candidate Details	Name: Registration/Roll Number:.....
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <p>Assessment Task 1: Candidate is required to: Prepared CAD/CAM Data</p> <p>Assessment Task 2: Candidate is required to: Perform CNC Operation</p> <p>And complete:</p> <ol style="list-style-type: none"> 1. Knowledge assessment test (Written or Oral) 2. Portfolios at the time of assessment (if any)
Minimum Evidence Required	<p>During a practical assessment, under observation by an assessor, you will complete:</p> <p>Assessment Task 1</p> <ol style="list-style-type: none"> P1. Prepare the drawing in CAD system P2. Add allowance as per requirement P3. Send the drawing in CAD/CAM system P4. Practice standard health and safety procedures <p>Assessment Task 2</p> <ol style="list-style-type: none"> P1. Arrange a wood block as per required size P2. Clamped the wooden block on the table of CNC router P3. Select the cutting tool as per material and operation. P4. Enter the raw material detail P5. Check the tool off setting P6. See the simulation before starting the work P7. Locate the pattern. P8. Press the push bottom to start the operation P9. Draw out pattern from fixture

	P10. Operate the machine as per SOP
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Assessors Judgment Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

Candidate Details	Name: Registration/Roll Number: Candidate Signature:
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor: Assessor's code: Signature of the Assessor:

Assessment Summary (to be filled by the assessor)							
Activity	Method					Result	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓				
Knowledge Assessment	✓	✓					
Other Requirement							

Each Assessment Task (with performance criteria)				
Assessment Task 1		Description of assessment task 1		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
	P1. Prepare the drawing in CAD system			
	P2. Add allowance as per requirement			
	P3. Send the drawing in CAD/CAM system			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Assessment Task 2		Description of assessment task 2		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
	P1. Arrange a wood block as per required size			
	P2. Clamped the wooden block on the table of CNC router			
	P3. Select the cutting tool as per material and operation.			
	P4. Enter the raw material details			
	P5. Check the tool off setting			
	P6. See the simulation before starting the work			
	P7. Locate the pattern.			
	P8. Press the push bottom to start the operation			
	P9. Draw out pattern from fixture			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Title of Qualification: Pattern Maker	CS Code:	Level:	Version: 01
Competency Standard Title: Manufacture Pattern on CNC Router (surface plate)	Assessment Date (DD/MM/YY): Assessment Time: 30 min		

Guidance for Candidate	To complete your assessment for this Competency Standard, you need to answer the questions on the following pages successfully.
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Assessors Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

Candidate Details	Name:.....Registration/Roll Number: Candidate Signature:
Written Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor:Assessor's code: Signature of the Assessor:

Title of Qualification: Pattern Maker	CS Code:	Level:	Version: 01
Competency Standard Title: Manufacture Pattern on CNC Router (surface plate)	Assessment Date (DD/MM/YY): Assessment Time: 30 min		

WRITTEN ASSESSMENT

Question	Candidate's answer
What does CAD CAM stand for?	<ul style="list-style-type: none"> Computer-aided design & computer-aided manufacturing (CAD/CAM)
1. What is CAM used for?	<ul style="list-style-type: none"> Computer Aided Manufacturing (CAM) is the use of software and computer-controlled machinery to automate a manufacturing process.
2. What is difference between CAD and CAM?	<ul style="list-style-type: none"> CAD is concerned with only the creation of a design. This design may later be fed into computer-aided machines to create manufactured products through the use of a CAM program.
3. What are 3 disadvantages of CAM?	<ul style="list-style-type: none"> Computer errors are possible. CAD and CAM software can be expensive. Training is expensive.

