

SELF ASSESSMENT GUIDE

Qualification:	FOUNDRY PATTERN MAKING NC II	
Certificate of Competency 1:	MANUFACTURE WOOD PATTERN	
Unit/s of Competency Covered:	<ul style="list-style-type: none"> • Develop and Manufacture Wood Patterns • Performs General Woodworking Machine Operations • Use and Maintain Measuring Instrument 	
Instruction: <ul style="list-style-type: none"> • Read each of the questions in the left-hand column of the chart • Place a check in the appropriate box opposite each question to indicate your answer: 		
Can I ?	YES	NO
• Determine job requirements.		
• Read and interpret drawings.		
• Perform computation and different numerical operations, geometry and formulas within the scope of this unit.		
• Develop and layout wood patterns.		
• Identify jigs and fixtures		
• Select timber products including features, characteristics, and applications.		
• Manufacture wood patterns		
• Observe safe work practices and procedures		
• Use personal protective equipment		
• Maintain hand tools and equipment		
I agree to undertake assessment in the knowledge that information gathered will only be used for professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor.		
Candidate's Name:	Date:	

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Qualification:	FOUNDRY PATTERN MAKING NC II	
Certificate of Competency 2:	MANUFACTURE POLYMER PATTERN	
Unit/s of Competency Covered:	<ul style="list-style-type: none"> • Determine and Manufacture Polymer Patterns • Use and Maintain Measuring Instrument 	
Instruction: <ul style="list-style-type: none"> • Read each of the questions in the left-hand column of the chart • Place a check in the appropriate box opposite each question to indicate you answer: 		
Can I ?	YES	NO
• Determine job requirements.		
• Select appropriate polymer materials		
• Inspect patterns or cores for appropriate surface finish and set up joint lines or flat board		
• Apply and correct methods of locating patterns and core boxes		
• Select appropriate parting agents and apply to pattern / core box surface		
• Perform proper mixing ratios of polymers and hardeners		
• Manufacture polymer patterns		
• Observes proper methods of stripping the polymer		
• Observe safe work practices and procedures		
• Maintain hand tools, measuring instruments and storage		
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Qualification:	FOUNDRY PATTERN MAKING NC II		
Certificate of Competency 3:	MANUFACTURE ASSEMBLED PLATED PATTERN		
Unit/s of Competency Covered:	<ul style="list-style-type: none"> • Develop and Manufacture Assembled Plated Pattern • Develop and Manufacture Production Plated Pattern • Use and Maintain Measuring Instrument 		
Instruction: <ul style="list-style-type: none"> • Read each of the questions in the left-hand column of the chart • Place a check in the appropriate box opposite each question to indicate your answer: 			
Can I ?	YES	NO	
• Determine job requirements.			
• Inspect and lay-out pattern in the match plate.			
• Mount pattern on match plate.			
• .Mount runner system			
• Inspect plated pattern assembly .			
• Identify jigs / fixtures and its application.			
• Select appropriate machine to produce production pattern / core box to specification			
• Observe safe work practice and procedures			
• Use personal protective equipments			
• Maintain hand tools and measuring equipment			
I agree to undertake assessment in the knowledge that information gathered will only be used for professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor.			
Candidate's Name:			Date: