

SELF ASSESSMENT GUIDE

Qualification:	CNC MILLING MACHINE OPERATION NC III		
Project-Based Assessment	Fabricate Housing Cover		
Unit/s of Competency Covered:	<ul style="list-style-type: none"> • Write Advanced CNC Milling Machine Program • Set-up Machine, Workpiece and Cutting Tools • Perform Advanced CNC Milling Machine Operations 		
Instruction <ul style="list-style-type: none"> • Read each of the questions in the left-hand column of the chart. • Place a check on each question to indicate your answers. 			
Can I?	YES	NO	
• Interprets drawings			
• determines sequence of operation			
• Selects cutting tools			
• Calculates speed and feed rate			
• Determines the material to be used			
• Calculates coordinates			
• Writes program in standard CNC milling machine operation code format			
• Simulates and edits program			
• Saves program			
• Downloads program			
• Checks oil and coolant			
• Checks air and hydraulic pressure			
• Checks machine zero point			
• Sets cutting tools			
• Tightens work holding and clamping devices			

• Performs tool set-up		
• Downloads/ inputs program		
• Simulates program		
• Sets workpiece zero point		
• Mounts workpiece on clamping device		
• Observes occupational health and safety (OHS)		
• Performs dry-run with desired tool path movement		
• Edits program to required tool path movement		
• Machines workpiece as programmed		
• Checks and measures workpiece dimensions		
• Edits program and tool parameters are corrected/adjusted		
• Mounts workpiece		
• Performs advanced CNC Milling machine operations		
• Performs corrective measures/ adjustments		
• Observes safety procedures		
• Uses personal protective devices		
• Checks and measures workpiece		
• Marks, records and reports defective workpieces		
I agree to undertake assessment in the knowledge that information gathered will only be used for professional development purpose and can only be assessed by concerned assessment personnel and may manager/supervisor		
Candidate's Signature:	Date:	
Assessor's Signature:	Date:	