

SELF ASSESSMENT GUIDE

QUALIFICATION:	CNC LATHE MACHINE OPERATION NC III		
Title of PBA:	Fabricate Breech Screw		
Units of Competencies Covered:	<ul style="list-style-type: none"> • Write Advanced CNC Lathe Machine Program • Set-up machine with Multiple axis, Workpiece and Cutting Tools • Perform Advanced CNC Lathe Machine Operations 		
<p>Instruction</p> <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	
<ul style="list-style-type: none"> • Determines job requirements* 			
○ Interprets drawings			
○ Determines sequence of operation			
○ Selects cutting tools			
○ Calculates cutting speed and feed rate			
○ Determines the material to be used			
<ul style="list-style-type: none"> • Writes basic CNC lathe machine program* 			
○ Calculates coordinates			
○ Writes program in standard CNC lathe machine operation code format			
<ul style="list-style-type: none"> • Edits basic CNC lathe machine program* 			
○ Simulates and edits program			
○ Saves program			
○ Downloads program			

<ul style="list-style-type: none"> • Sets-up machine with multiple axis, cutting tools and driven tools* 		
○ 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		
<ul style="list-style-type: none"> • Downloads / inputs program* 		
○ Downloads/ inputs program	X	
○ Simulates program	X	
○ Sets workpiece zero point	X	
<ul style="list-style-type: none"> • Sets-up workpiece* 		
○ Mounts and centers workpiece on clamping device	X	
○ Observes occupational health and safety (OHS)	X	
<ul style="list-style-type: none"> • Dry-runs program* 		
○ Performs dry-run with desired tool path movement	X	
○ Edits program to required tool path movement	X	
<ul style="list-style-type: none"> • Performs trial cut on workpiece* 		
○ Machines workpiece as programmed	X	
○ Checks and measures workpiece dimensions	X	
○ Edits program and tool parameters are corrected/adjusted	X	

<ul style="list-style-type: none"> • Turns workpiece* 		
<input type="radio"/> Mounts workpiece	X	X
<input type="radio"/> Performs advanced CNC lathe machine operations	X	X
<input type="radio"/> Performs corrective measures/ adjustments	X	X
<input type="radio"/> Observes safety procedures	X	X
<input type="radio"/> Uses personal protective devices	X	X
<ul style="list-style-type: none"> • Checks and measures workpiece* 		
<input type="radio"/> Checks and measures workpiece	X	X
<input type="radio"/> Marks, records and reports defective workpieces	X	X
<p>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</p>		
Candidate's name:	Date:	
Assessor's name :	Date:	

NOTE: *Critical aspects of competency