

Reference No.																			
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SELF-ASSESSMENT GUIDE

Qualification	MACHINING NC I		
Certificate of Competency (COC 3)	Perform Surface Grinding Operation		
Units of Competency Covered	<ul style="list-style-type: none"> • Perform bench work (basic) • Grind workpiece • Repair workpiece 		
Instruction:			
<ul style="list-style-type: none"> • Read each question and check the appropriate column to indicate your answer. 			
Can I?		YES	NO
PERFORM BENCH WORK (BASIC)			
• Interpret drawing and check benchwork materials, tools and supplies as required *			
• Sharpen cutting and marking tools according to industry procedure and work safety standards *			
• Check dimensions of materials needed using appropriate measuring tool/s *			
• Perform required bench work operations based on drawing, and according to industry standards *			
• Measure workpiece according to drawing specifications *			
GRIND WORKPIECE			
• Interpret drawing of grinding work and clarify the task required *			
• Plan sequence of grinding operation according to drawing specifications*			
• Prepare and inspect materials, tools and supplies based on drawing *			
• Determine workpiece suitable to grinding machine *			
• Prepare grinding wheels and measuring tools needed in operation *			
• Test run machine to be used *			
• Mount workpiece on magnetic plate according to work requirements *			
• Use precision vise to hold workpiece, if required *			
• Use grinding machine accessories, if required *			
• Operate grinding machine according to job specifications *			
• Monitor and identify performance of grinding wheel based on the industry standards *			
• Check and measure workpiece during grinding operation, according to work specifications *			

• Perform quality check of finished workpiece according to industry procedure *		
REPAIR WORKPIECE		
• Identify job repair needed based on drawing *		
• Prepare workpiece, tools, materials, and electric welding machine according to industry standards *		
• Set-up welding machine in accordance with manufacturer's instructions*		
• Position holding devices in conformity with job requirements *		
• Demonstrate tack welding and root pass in accordance with drawing *		
• Clean root pass from slugs and defects *		
• Inspect welded workpiece based on work specifications		
• Repair defective weld in workpiece following work specifications *		
• Check quality of welded workpiece according to specifications *		
PERFORM POST- ACTIVITIES		
• Shutdown machines according to manufacturer's manual *		
• Maintain and store tools based on established procedures *		
• Tag and report defective tools and machines according to workplace procedures, if any *		
• Perform good housekeeping following 5S *		
• Dispose wastes according to waste management procedures and environmental regulations *		
• Accomplish checklist of workpiece specifications *		
• Practice works safety and health measures when performing tasks *		
I agree to undertake assessment with 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 and Signature		Date