

Reference No.																	
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SELF-ASSESSMENT GUIDE

Qualification Title:	Mechatronics and Automation Servicing NC III		
COC 1	Develop Mechatronics and Automation Control Circuits and PLC Application Programs		
<p>Instruction: Read each question and check the appropriate column opposite each question to indicate your answer.</p>			
Can I?	YES	NO	
<ul style="list-style-type: none"> Obtain and clarify control circuit requirements and design data as needed for the application* 			
<ul style="list-style-type: none"> Develop PLC application program using appropriate code/language* 			
<ul style="list-style-type: none"> Download program using manufacturer's procedure* 			
<ul style="list-style-type: none"> Run developed control circuits and PLC program* 			
<ul style="list-style-type: none"> Test developed control circuits and PLC program* 			
<ul style="list-style-type: none"> Debug and rework PLC application program* 			
<ul style="list-style-type: none"> Prepare a user-friendly documentation of the developed control circuits and PLC program* 			
<p>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.</p>			
Candidate's Name & Signature:		Date:	

Note: * Critical Aspects of Competency

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Qualification Title:	Mechatronics and Automation Servicing NC III		
COC 2	Develop Motion Control and System Configuration		
<p>Instruction: Read each question and check the appropriate column opposite each question to indicate your answer.</p>			
Can I?	YES	NO	
• Obtain and clarify motion control system requirements*			
• Identify input and output signals according to system requirements*			
• Identify motion control system specification according to system requirements*			
• Develop and configure motion control system diagram according to application requirements*			
• Integrate motion control devices according to system diagram*			
• Run developed motion control system to ensure all configuration errors are corrected*			
• Test any limits, exceptions and other aspects built into the motion control system against user's control requirements and acceptance*			
• Prepare final motion control system flowchart, documents and diagrams according to company standards*			
<p>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.</p>			
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SELF-ASSESSMENT GUIDE

Qualification Title:	Mechatronics and Automation Servicing NC III		
COC 3	Maintain and Repair PLC-based Mechatronics and Automation System		
<p>Instruction: Read each question and check the appropriate column opposite each question to indicate your answer.</p>			
Can I?	YES	NO	
• Check mechatronics devices for maintenance and repair against specification and requirements*			
• Follow OHS policies and procedure in line with job requirements			
• Identify mechatronics devices to be maintained or repaired from the job instruction*			
• Conduct test accurately on the mechatronics and automation devices using standard procedure*			
• Diagnose and correct fault or problem in component in line with the standard operating procedure*			
• Repair or replace defective mechatronics and automation devices*			
• Inspect/Check and test repaired mechatronics and automation system to ensure safe operation*			
• Prepare report/document in accordance with the company requirements*			
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 & Signature:		Date:	