

## SELF-ASSESSMENT GUIDE

Qualification:	<b>MECHATRONICS SERVICING NC III</b>	
Certificate of Competency 3:	<b>DEVELOP MECHATRONICS CONTROL CIRCUITS AND SOFTWARE APPLICATION PROGRAMS</b>	
Instruction: <ul style="list-style-type: none"> <li>• Read each of the questions in the left-hand column of the chart.</li> <li>• Place a check on each question to indicate your answer.</li> </ul>		
<b>Can I?</b>	<b>YES</b>	<b>NO</b>
• Obtain and clarify control circuits requirements and design data as needed for the application.		
• Document software application program flow according to the validated requirements of the application.*		
• Determine the coding, modules and links required according to the application.		
• Use appropriate language according to the application		
• Develop Software application program using appropriate code and is compiled.*		
• Observe appropriate ergonomic standards to reduce fatigue while working on a computer		
• Debug and rework software application program for correction of errors		
• Run the developed control circuits and software application program to ensure all syntax errors are corrected.*		
• Download program using manufacturer's procedures.		
• Test any limits, exceptions and other aspects built into the control circuits and software application program against user's control requirements and for user's acceptance*		
• Incorporate notations and descriptors into the program for user–friendliness.*		
• Prepare as-built copy of the software application program and the external devices assignment in softcopy and printed formats for the user.		
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.		
<b>Candidate's Name &amp; Signature:</b>		<b>Date:</b>

## SELF- ASSESSMENT GUIDE

Qualification:	<b>MECHATRONICS SERVICING NC III</b>	
Certificate of Competency 4:	<b>MAINTAIN AND REPAIR MECHATRONICS DEVICES</b>	
Instruction: <ul style="list-style-type: none"> <li>• Read each of the questions in the left-hand column of the chart.</li> <li>• Place a check on each question to indicate your answer.</li> </ul>		
<b>Can I?</b>	<b>YES</b>	<b>NO</b>
• Plan and prepare maintenance or repair in line with job requirements.		
• Follow OHS policies and procedures in line with job requirements.		
• Check mechatronic devices for maintenance or repair against specifications and requirements.		
• Obtain Materials necessary to complete the work in accordance with established procedures and checked against job requirements.		
• Obtain and check tools, equipment and testing devices needed for the maintenance/repair for correct operation and safety		
• Identify mechatronic devices to be maintained or repaired from the job instructions		
• Use appropriate personal protective equipment and follows OHS policies & procedures		
• Check normal function of the mechatronic devices in accordance with manufacturer's instructions.		
• Perform scheduled/periodic maintenance in accordance with manufacturer's & company requirements.		
• Respond to unplanned events or conditions in accordance with established procedures		
• Check normal function of mechatronic devices in accordance with manufacturer's instructions.		
• Diagnose and correct fault or problem in component in line with the standard operating procedures.		
• Prepare and complete necessary report*		
• Demonstrate understanding of mechatronic servicing principles		
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.		
<b>Candidate's Name &amp; Signature:</b>		<b>Date:</b>