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SELF ASSESSMENT GUIDE

Qualification:	ELECTRICAL INSTALLATION AND MAINTENANCE NC II		
Units of Competency covered:	<ul style="list-style-type: none"> • Performing roughing-in activities, wiring and cabling works for single-phase distribution, power, lighting and auxiliary systems • Install Electrical Protective devices for distribution, power, lighting, auxiliary, lightning protection and grounding system • Install Wiring Devices of Floor and Wall Mounted Outlet Lighting Fixture/Switches and Auxiliary Outlets 		
Instruction:			
<ul style="list-style-type: none"> • Read each of the questions in the left-hand column of the chart. • Place a check in the appropriate box opposite each question to indicate your answer. 			
Can I?	YES	NO	
Performing roughing-in activities, wiring and cabling works for single-phase distribution, power, lighting and auxiliary systems			
• Communicate and confirm instructions for the preparation of work activity to ensure clear understanding*			
• Interpret electrical plan and detailed drawing*			
• Identify and check to ensure that tools, equipment and personnel protective equipment needed to electrical system*			
• Identify and check auxiliary equipment, if it is works correctly and are safe to use in accordance with established procedures*			
• Use safety harness or PPE properly*			
• Bend and install type of conduit and cable tray as per job requirement.*			
• Perform correct procedures for installation of electrical auxiliary system in line with job requirements*			
• Ensure work is completed in an agreed scheduled time in accordance with the quality standard.*			
• Respond to unplanned events or conditions accordingly*			
• Terminate/Splice conductors/wires in accordance with the existing electrical standards*			
• Apply methods and techniques in wiring and cabling installation*			
• Perform installation qualification (IQ) activities*			
• Perform operational qualification (OQ) activities*			

Install Electrical Protective devices for distribution, power, lighting, auxiliary, lightning protection and grounding system		
• Communicate and confirm instructions for the preparation of work activity to ensure clear understanding*		
• Interpret electrical plans and detailed drawing*		
• Identify and check to ensure that tools, equipment and PPE needed to electrical system and by auxiliary equipment works correctly and are safe to use in accordance with established procedures*		
• Follow safety procedures and the use of safety harness*		
• Perform correct procedures for the installation/mounting configuration of electrical protective devices and grounding system*		
• Respond to unplanned events or conditions accordingly*		
• Select the types of lighting fixture and auxiliary outlet for the installation*		
• Undertake ongoing checks of quality of work in accordance with instructions and requirements*		
• Terminate/Splice conductors/wires in accordance with the existing electrical standards*		
• Make final checks to ensure that work conforms to instructions and drawing/diagram. *		
• Perform the installation economically*		
• Perform commissioning activities*		
Install Wiring Devices of Floor and Wall Mounted Outlet Lighting Fixture/Switches and Auxiliary Outlets		
• Read and interpret drawings in accordance with job requirements*		
• Set the lay-out and dimension of electrical drawing or wiring diagram. *		
• Select and identify correct rating, quantity, sizes and type of wiring devices, switches, lighting fixture and convenience outlet*		
• Identify the specifications of materials, tools and equipment		
• Fill up properly requisition forms according to list of materials, tools and equipment		
• Follow safety procedures according to enterprise and government regulations and select the correct PPE in line with safety requirements*		
• Identify defective and/or substandard electrical materials and report to immediate supervisor*		
• Lay out, mount and install electrical components, wiring materials such as conduit and fittings in accordance with standards*		
• Install wiring protective devices and grounding system properly*		

• Install the different types of lighting fixtures/switches as per wiring diagram*		
• Follow work schedule to ensure job is completed on time in accordance to a quality standard and minimum wastage		
• Seek further instructions from immediate supervisor in case of unplanned events or conditions occurring*		
• Undertake with strict compliance ongoing checks of quality of the work in accordance with instructions and requirements		
• Perform the installation economically*		
• Perform commissioning activities*		
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:

NOTE: *Critical Aspects of Competency