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## SELF-ASSESSMENT GUIDE

Qualification:	<b>RAC SERVICING (DomRAC) NC II</b>		
Units of Competency covered:	<ul style="list-style-type: none"> <li>• Install Domestic Refrigeration and Air - Conditioning (DomRAC) Units</li> <li>• Service and maintain domestic refrigeration and air-conditioning (DomRAC) units</li> <li>• Troubleshoot and repair domestic refrigeration and air-conditioning (DomRAC) systems</li> </ul>		
<b>Instructions:</b>			
<ul style="list-style-type: none"> <li>• Read each of the questions in the left-hand column of the chart.</li> <li>• Place a tick in the appropriate box opposite each question to indicate your answer.</li> </ul>			
<b>Can I?</b>	<b>YES</b>	<b>NO</b>	
• Assess site conditions and installation requirements according to manufacturer's specification and prevailing codes and ordinances*			
• Determine tools, equipment and materials needed for installation according to site condition and site installation requirements			
• Report survey result in accordance with enterprise policies and procedures			
• Perform roughing-in activities in accordance with the PEC provisions			
• Select electrical cabling and wiring devices of correct load carrying capacity and installs safely in line with manufacturer's instructions			
• Install power wiring in accordance with applicable PEC provisions			
• Test electrical circuits in accordance with applicable PEC provisions			
• Prepare unit and equipment/components based on work procedures			
• Install bracket, hangers and frames in accordance with manufacturer's recommendation and/or RAC Code of Practice			

<ul style="list-style-type: none"> <li>• Position and level unit in line with manufacturer's instructions and/or RAC Code of Practice</li> </ul>		
<ul style="list-style-type: none"> <li>• install sealing materials to ensure an air tight seal around the unit in line with manufacturer's instructions and/or RAC Code of Practice</li> </ul>		
<ul style="list-style-type: none"> <li>• install condensate drain in accordance with manufacturer's recommendation and/or RAC Code of Practice</li> </ul>		
<ul style="list-style-type: none"> <li>• Employ safe manual handling techniques in line with enterprise OH&amp;S procedures</li> </ul>		
<ul style="list-style-type: none"> <li>• Exercise 5's in line with enterprise policy</li> </ul>		
<ul style="list-style-type: none"> <li>• Measure voltage and current according to unit power requirements</li> </ul>		
<ul style="list-style-type: none"> <li>• Measure Air temperature and velocity based on unit specifications</li> </ul>		
<ul style="list-style-type: none"> <li>• Check sounds and vibration based on unit specifications</li> </ul>		
<ul style="list-style-type: none"> <li>• Accomplish service report in line with enterprise policies and procedures.</li> </ul>		
<ul style="list-style-type: none"> <li>• Identify and removes air filter following standard procedures</li> </ul>		
<ul style="list-style-type: none"> <li>• Check filter for damage and replaces if required in line with SOPs</li> </ul>		
<ul style="list-style-type: none"> <li>• Clean air filter using the correct tools and cleaning procedures</li> </ul>		
<ul style="list-style-type: none"> <li>• Replace filter in accordance with filter specifications</li> </ul>		
<ul style="list-style-type: none"> <li>• Select tools in dismantling the evaporator/ condensing unit as per standard operating procedures (SOPs)</li> </ul>		
<ul style="list-style-type: none"> <li>• Use high pressure washer in cleaning evaporator/ condensing coil based on established procedures</li> </ul>		
<ul style="list-style-type: none"> <li>• Straighten evaporator/condenser coil fins in accordance with service procedure</li> </ul>		
<ul style="list-style-type: none"> <li>• Use cleaning agent or non-corrosive chemical in cleaning and maintaining evaporator/ condensing coil, fins and other body accessories as per standard operating procedures (SOPs)</li> </ul>		
<ul style="list-style-type: none"> <li>• Maintain fan motor in line with manufacturer's instructions.</li> </ul>		

<ul style="list-style-type: none"> <li>• Service and maintains fan blades and blower in line with manufacturer's instructions.</li> </ul>		
<ul style="list-style-type: none"> <li>• Check and service fan motor terminals in line with manufacturer's instructions.</li> </ul>		
<ul style="list-style-type: none"> <li>• Check and service fan motor mounting in line with manufacturer's instructions.</li> </ul>		
<ul style="list-style-type: none"> <li>• Use proper instrument in checking power supply and diagnosing electrical control</li> </ul>		
<ul style="list-style-type: none"> <li>• Repair and report loose connections/wirings in line with SOP</li> </ul>		
<ul style="list-style-type: none"> <li>• Check plugs and outlets in line with SOP</li> </ul>		
<ul style="list-style-type: none"> <li>• Check grounding in line with SOP</li> </ul>		
<ul style="list-style-type: none"> <li>• Report all defects and problems encountered in line with enterprise policies and procedures.</li> </ul>		
<ul style="list-style-type: none"> <li>• Report observation and recommendation properly in line with enterprise policies and procedures.</li> </ul>		
<ul style="list-style-type: none"> <li>• Interpret appropriate wiring diagrams, charts and manuals in line with the job requirements</li> </ul>		
<ul style="list-style-type: none"> <li>• Select appropriate materials, tools and equipment are based on job requirements</li> </ul>		
<ul style="list-style-type: none"> <li>• Check power supply to ensure compliance with nameplate rating and/or manufacturer's specifications</li> </ul>		
<ul style="list-style-type: none"> <li>• Select appropriate PPE and used in line with job requirements</li> </ul>		
<ul style="list-style-type: none"> <li>• Test components following manufacturer's manual, RAC Code of Practice and/or enterprise troubleshooting policy</li> </ul>		
<ul style="list-style-type: none"> <li>• Diagnose faults/problems with components are in line with manufacturer's manual, RAC Code of Practice and/or enterprise troubleshooting policy</li> </ul>		
<ul style="list-style-type: none"> <li>• Take remedial action to overcome faults/problems in line manufacturer's manual, RAC Code of Practice and/or enterprise troubleshooting policy</li> </ul>		
<ul style="list-style-type: none"> <li>• Complete work safely in line with workplace safety guidelines</li> </ul>		
<ul style="list-style-type: none"> <li>• Complete report on testing procedure, including faults and minor repair, in line with manufacturer's manual, RAC Code of Practice and/or enterprise troubleshooting policy</li> </ul>		

• Observe safe working practices throughout the task as per enterprise procedure		
• Select suitable tools and equipment and used based on job requirement		
• Perform optimum recovery of refrigerant in line with RAC Code of Practice		
• Perform refrigerants recovery/recycling according to manufacturer's recommendations and RAC Code of Practice		
• Perform retrofitting based on RAC Code of Practice		
• Test unit in line with troubleshooting procedures		
• Prepare report on repair and testing of unit in line with enterprise procedures		
Candidate's Name:	Date:	