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SELF - ASSESSMENT GUIDE

Qualification:	LAND-BASED TRANSPORT REFRIGERATION SERVICING NC II		
Unit of Competency covered:	<ul style="list-style-type: none"> • Service and maintain transport refrigeration units • Troubleshoot and repair mobile transport refrigeration systems • Perform testing and commissioning for transport refrigeration units 		
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	
Service and maintain transport refrigeration units			
• Prepare, check and interpret manufacturer’s manual, schematic diagrams and work instructions			
• Perform refrigerant containment through pump down following SOP*			
• Perform refrigerant containment through recovery/recycling following SOP*			
• Dismantle blower and condenser assembly as per SOP*			
• Use environment friendly flushing agent in cleaning evaporator/condenser tubing as per Code of Practice			
• Service compressor assembly, pulley and belt			
• Use proper instrument in checking power supply and diagnosing electrical control system*			
• Tighten and reports loose connections/wirings in line with SOP			
• Use personal protective equipment as per job required			
• Accomplish service report*			
• Perform housekeeping			
Troubleshoot and repair transport refrigeration systems			
• Plan and prepare for troubleshooting and repair*			

• Identify and repair faults/troubles based on findings*		
• Diagnose faults/problems with components in line manufacturer's manual or RAC Code of Practice		
• Report all defects and problems encountered in line with enterprise policies and procedures		
• Take remedial action to overcome faults/problems in line with the manufacturer's manual or RAC Code of Practice		
• Install and remove gauge manifold with less emission of refrigerants*		
• Use nitrogen with nitrogen regulator for flushing and pressure testing of refrigeration system*		
• Release nitrogen to the surrounding causing no harm to the anyone*		
• Observe safe working practices throughout the tasks as per enterprise procedure*		
• Perform optimum recovery of refrigerant in line with RAC Code Practice*		
• Perform retrofitting based on RAC Code of Practice*		
• Perform conversion based on RAC Code of Practice*		
• Complete report on testing procedure, including faults and minor repair in line with manufacturer's manual or RAC Code of Practice		
• Perform housekeeping*		
Perform testing and commissioning for transport refrigeration units		
• Test run repaired unit*		
• Perform electrical related checks based on manufacturer's manual		
• Perform refrigerant piping and fitting connection related checks based on manufacturer's manual		
• Perform compressor unit related checks based on manufacturer's manual		
• Accomplish start-up, testing and commissioning reports in line with enterprise policies and procedures*		
• Perform housekeeping*		
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:	