SELF-ASSESSMENT GUIDE

Qualification:	RAC SERVICING (PACU/CRE) NC III		
Certificate of Competency 1:	Install and Service PACU		
Units of Competency Covered:	 Install PACU Service and Maintain PACU Troubleshoot and Repair PACU Perform start-up, testing and commissioning PACU 		

Instruction:

- Read each of the questions in the left-hand column of the chart. Place a tick in the appropriate box opposite each question to indicate your answers.

Can I?		NO
INSTALL , START UP, TEST AND COMMISSION PACU		
Survey site for installation*		
Prepare result of survey in line with enterprise procedures*		
 Prepare piping, electrical materials and accessories consistent with the approved designs and manufacturer's specifications* 		
Mount indoor, condensing units and accessories in accordance with site conditions, lay out and manufacturer's specifications*		
 Install, clean, and test piping in accordance with manufacturer's specifications, recommendations and RAC Code of Practice* 		
 Insulate piping in accordance with manufacturer's specification* 		
 Lay-out and installs electrical system in accordance with the approved designs, specifications, working plans, drawings and applicable provisions of the latest edition of PEC* 		
 Correct faults/problems arising from installation in line with standard operating procedures* 		
Perform housekeeping *		
 Prepare report on installation in line with enterprise procedures* 		

1

SEF	RVICE AND MAINTAIN PACU	
•	Prepare for maintenance activities*	
•	Observe work safety according to enterprise regulations	
•	Clean indoor/outdoor coils in accordance with manufacturer's maintenance manual.	
•	Check refrigerant piping for abnormal conditions based on procedure.	
•	Adjust accessories settings, if necessary based on manufacturer's maintenance manual.	
•	Detect and rectifies oil leaks and restrictions based on standard maintenance procedures	
•	Dispose used oil properly according to environmental regulation	
•	Measure and analyzes operating parameters based on standard specifications	
•	Check and record pressure and temperature drops across strainer, filters and filter driers based on standard maintenance procedures	
•	Perform leak testing based on RAC Code of Practice.	
•	Maintain air flow distribution system in PACU	
•	Perform housekeeping*	
•	Prepares report on service and maintenance in line with enterprise procedures*	
•	TROUBLESHOOT AND REPAIR PACU	
•	Plan and prepare for troubleshooting and repair	
•	Interpret appropriate wiring diagrams, charts and manuals in line with the job requirements	
•	Identify and repair faults/problems	
•	Select and use appropriate PPE in line with the job requirements	
•	Test refrigeration system components and accessories following manufacturer's manual, RAC Code of Practice and/or enterprise troubleshooting policy	
•	Diagnose faults/problems with refrigerant system in line with manufacturer's manual, RAC Code of Practice and/or enterprise troubleshooting policy	

Candidate's Name: Date:			
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.			
•	Prepare report on troubleshooting and repair of air conditioning unit in line with enterprise procedures*		
•	Perform housekeeping*		
•	Test run air conditioning unit in accordance with enterprise procedures		
•	Observe safe working practices throughout the task as per enterprise procedure		
•	Perform conversion of HCFC- based refrigeration unit to non-HCFC drop-in replacement in accordance with the RAC Code of Practice		
•	Perform leak testing, refrigerant recovery/ recycling, evacuation and charging of air conditioning systems in line with RAC Code of Practice or enterprise policy*		
•	Take remedial action to overcome faults/problems in line with manufacturer's manual, RAC Code of Practice and/or enterprise troubleshooting policy*		

SELF-ASSESSMENT GUIDE

Qualification:	RAC SERVICING (PACU/CRE) NC III		
Certificate of Competency 2:	Install and Service CRE		
Units of Competency Covered:	 Install CRE Service and Maintain CRE Troubleshoot and Repair CRE Perform start-up, testing and commissioning CRE 		

Instruction:

- Read each of the questions in the left-hand column of the chart.
- Place a tick in the appropriate box opposite each question to indicate your answers.

Can I?	YES	NO
INSTALL, START UP, TEST AND COMMISSION CRE		
Survey site for installation*		
Prepare result of survey in line with enterprise procedures*		
 Prepare piping, electrical materials and accessories consistent with the approved designs and manufacturer's specifications* 		
 Mount evaporator, condensing units and accessories in accordance with site conditions, lay out and manufacturer's specifications* 		
 Install, clean, and test piping in accordance with manufacturer's specifications, recommendations and RAC Code of Practice* 		
 Insulate piping in accordance with manufacturer's specification* 		
 Lays-out and installs electrical system in accordance with the approved designs, specifications, working plans, drawings and applicable provisions of the latest edition of PEC* 		
 Correct faults/problems arising from installation in line with standard operating procedures* 		
Perform housekeeping *		
 Prepare report on installation in line with enterprise procedures* 		

SERVICE AND MAINTAIN CRE			
•	Prepare for maintenance activities*		
•	Observe work safety according to enterprise regulations		
•	Clean evaporator /condenser coils in accordance with manufacturer's maintenance manual.		
•	Check refrigerant piping for abnormal conditions based on procedure.		
•	Adjust accessories settings, if necessary based on manufacturer's maintenance manual.		
•	Detect and rectify oil leaks and restrictions based on standard maintenance procedures		
•	Dispose used oil properly according to environmental regulation		
•	Measure and analyze operating parameters based on standard specifications		
•	Checks and records pressure and temperature drops across strainer, filters and filter driers based on standard maintenance procedures		
•	Performs leak testing based on RAC Code of Practice.		
•	Maintains air flow distribution system in CRE		
•	Performs housekeeping*		
•	Prepares report on service and maintenance in line with enterprise procedures*		
TF	ROUBLESHOOT AND REPAIR CRE		
•	Plans and prepares for troubleshooting and repair		
•	Interprets appropriate wiring diagrams, charts and manuals in line with the job requirements		
•	Identifies and repairs faults/problems		
•	Selects and uses appropriate PPE in line with the job requirements		
•	Tests refrigeration system components and accessories following manufacturer's manual, RAC Code of Practice and/or enterprise troubleshooting policy		
•	Diagnoses faults/problems with refrigerant system in line with manufacturer's manual, RAC Code of Practice and/or enterprise troubleshooting policy		

C	andidate's Name:	Date:	
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.			
•	Prepares report on troubleshooting and repair of refrigeration unit in line with enterprise procedures*		
•	Performs housekeeping*		
•	Tests run refrigeration unit in accordance with enterprise procedures		
•	Observes safe working practices throughout the task as per enterprise procedure		
•	Performs conversion of HFC- based refrigeration unit to non-HFC drop-in replacement in accordance with the RAC Code of Practice		
•	Performs leak testing, refrigerant recovery/ recycling, evacuation and charging of air conditioning systems in line with RAC Code of Practice or enterprise policy*		
•	Takes remedial action to overcome faults/problems in line with manufacturer's manual, RAC Code of Practice and/or enterprise troubleshooting policy*		