



**Previous Work Recognition (PWR) Refrigeration
Qualification – UEE 313 07/09
Cert III in Electrotechnology
Refrigeration & Air Conditioning**

Details of the Parties to the Training Contract:

Apprentice Name	
Registration Number	
Direct Contact Number	
Registered Training Organisation	
RTO Representative	
Direct Contact Number	
Business Name	
Business Representative	
Direct Contact Number	

Period of time the PWR is being sought for:

Application Start Date	
Application End Date	
Number of Weeks	
Average Hours worked Per Week	
Total of Hours	

Verification of Data:

I verify the data entered is a true representation of the work activities performed for the period indicated.

Apprentice Signature:		Date:
Employer Signature:		Date:
Once signed forward to your <u>TRAINING ORGANISATION</u> for verification		

RTO Signature:		Date:
Once signed forward to eProfiling on fax 07 3276 8252 for processing		

Please complete all details below. Your previous employer should then sign off the information provided is correct. Once signed by the apprentice and employer the document should be forwarded to your RTO for verification.

RTOs should forward the signed form to eProfiling for processing. Once received the data will be input against your existing profile and will immediately show on apprentices' progress reports. The information will be kept on file at eProfiling.

PLEASE ENSURE YOU SEND ALL 12 PAGES EVEN IF THERE IS NO DATA ON A PAGE

Previous Work Recognition (PWR) Refrigeration

Areas of work that the Previous Work Recognition is being sought	
Work Areas <i>This includes time spent at college and time spent on leave</i>	Percentage of your time spent in each work area <i>Estimate a percentage against each work area, eg if your total hours are 400 hours and you estimate that 40 of those hours are for Install support protection indicate 10% against this work area</i>
Install Piping & Tubing	
Refrigerants & Lubricants	
Disconnect/reconnect fixed wired equipment connected to low voltage	
Locate & rectify faults in lox volt equip to procedures	
Attach cords & plugs	
Diagnose/rectify faults	
Install refrigeration/air conditioning	
Commission refrigeration/air conditioning	
Selection	
Solve problems	
Service	
Carry out operations	
Repair	
Leave (Annual Leave, RDOs, Stand Down)	
College (Attendance time at College)	

For the **Work Areas** over the next 7 pages please indicate the range of items that you have worked on and the regularity that worked on these items.

Please tick one box only for each item that you have worked on during the period you are claiming Previous Work Recognition for.

If you have not worked on the item during the PWR period please leave blank.

Previous Work Recognition (PWR) Refrigeration

Work Area 1 – Install Piping & Tubing

Items	At Least Once Every Week	At Least Once every fortnight	At Least Once a month	At Least Once every 3 months	At Least Once every 6 months	At Least Once every year
Read/interpret drawings/plans						
Condensate drain lines						
Control lines						
Discharge lines						
Liquid lines						
Suction lines						
Other						

Work Area 2 – Refrigerants & Lubricants

Items	At Least Once Every Week	At Least Once every fortnight	At Least Once a month	At Least Once every 3 months	At Least Once every 6 months	At Least Once every year
Recovery/reclaim						
Pressure test						
Locate & rectify leaks						
Evacuation						
Selection						
Charging/add refrigerant						
Environmental procedures						
Contaminated testing/removal						
Other						

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Work Area 3 – Disconnect/reconnect fixed wired equipment connected to LV

Items	At Least Once Every Week	At Least Once every fortnight	At Least Once a month	At Least Once every 3 months	At Least Once every 6 months	At Least Once every year
Composite equipment						
Control devices						
Electrical water heaters						
Motors						
Electrical characteristics						
Identify point of isolation						
Isolation of circuit including test for safe						
Visual check of equipment and associated wiring						
Disconnect electrical equipment						
Reconnect electrical equipment						
Test for safe operation						
Identify faults at point of disconnect/reconnect						
Other						

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Work Area 4 – Locate & rectify faults in LV equipment to procedures

Tests	At Least Once Every Week	At Least Once every fortnight	At Least Once a month	At Least Once every 3 months	At Least Once every 6 months	At Least Once every year
Composite equipment						
Control devices						
Electrical water heaters						
Motors						
Identify, isolate equipment						
Prepare						
Fault finding techniques						
Identify, locate faults						
Replace like for like						
Rectify equipment faults						
Return to service						
Other						

Work Area 5 – Attach cords & plugs

Faults	At Least Once Every Week	At Least Once every fortnight	At Least Once a month	At Least Once every 3 months	At Least Once every 6 months	At Least Once every year
Single phase – Attach						
Single phase – Replace						
Single phase – Repair						
Single phase – Test						
Single phase – Other						
Three phase – Attach						
Three phase – Replace						
Three phase – Repair						
Three phase – Test						
Three phase – Other						

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Work Area 6 – Diagnose/rectify faults

Items	At Least Once Every Week	At Least Once every fortnight	At Least Once a month	At Least Once every 3 months	At Least Once every 6 months	At Least Once every year
Read/interpret drawings/plans						
Air distribution system						
Water systems						
Motors and associated circuits						
Compressors (eg reciprocating, rotary, centrifugal, scroll, screw)						
Condensers (air/water cooled, evaporative)						
Condensing units						
Control systems/control circuitry (eg thermostats, PLCs)						
Cooling towers						
Cycling/capacity controls						
Evaporators/cooling coils						
Flow control (eg expansion valves, thermostatic expansion valves, capillary tube)						
Pumps – water						
Safety controls						
Refrigeration accessories (eg valves, filter dryers etc)						
Cool rooms						
Freezer rooms						
Merchandising & display cabinets						
Residential air conditioning						
Packaging or commercial air conditioning systems						
Industrial air conditioning systems						
Domestic refrigerators & freezers						
Other						

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Work Area 7 – Install refrigeration/air conditioning

Items	At Least Once Every Week	At Least Once every fortnight	At Least Once a month	At Least Once every 3 months	At Least Once every 6 months	At Least Once every year
Read/interpret drawings/plans						
Air distribution system						
Water systems						
Motors and associated controls						
Compressors (eg reciprocating, rotary, centrifugal, scroll, screw)						
Condensers (air/water cooled, evaporative)						
Condensing units						
Control systems/control circuitry (eg thermostats, PLCs)						
Cooling towers						
Cycling/capacity controls						
Evaporators/cooling coils						
Flow control (eg expansion valves, thermostatic expansion valves, capillary tube)						
Pumps – water						
Safety controls						
Refrigeration accessories (eg valves, filter dryers etc)						
Cool rooms						
Freezer rooms						
Merchandising & display cabinets						
Residential air conditioning						
Packaging or commercial air conditioning systems						
Industrial air conditioning systems						
Domestic refrigerators & freezers						

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Other						
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Work Area 8 – Commission refrigeration/air conditioning

Items	At Least Once Every Week	At Least Once every fortnight	At Least Once a month	At Least Once every 3 months	At Least Once every 6 months	At Least Once every year
Read/interpret drawings/plans						
Air distribution system						
Water systems						
Motors and associated controls						
Compressors (eg reciprocating, rotary, centrifugal, scroll, screw)						
Condensers (air/water cooled, evaporative)						
Condensing units						
Control systems/control circuitry (eg thermostats, PLCs)						
Cooling towers						
Cycling/capacity controls						
Evaporators/cooling coils						
Flow control (eg expansion valves, thermostatic expansion valves, capillary tube)						
Pumps – water						
Safety controls						
Refrigeration accessories (eg valves, filter dryers etc)						
Cool rooms						
Freezer rooms						
Merchandising & display cabinets						
Residential air conditioning						
Packaging or commercial air conditioning systems						
Industrial air conditioning systems						
Domestic refrigerators & freezers						
Other						

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Work Area 9 – Selection

Items	At Least Once Every Week	At Least Once every fortnight	At Least Once a month	At Least Once every 3 months	At Least Once every 6 months	At Least Once every year
Read/interpret drawings/plans						
Air distribution system						
Water systems						
Motors and associated controls						
Compressors (eg reciprocating, rotary, centrifugal, scroll, screw)						
Condensers (air/water cooled, evaporative)						
Condensing units						
Control systems/control circuitry (eg thermostats, PLCs)						
Cooling towers						
Cycling/capacity controls						
Evaporators/cooling coils						
Flow control (eg expansion valves, thermostatic expansion valves, capillary tube)						
Pumps – water						
Safety controls						
Refrigeration accessories (eg valves, filter dryers etc)						
Cool rooms						
Freezer rooms						
Merchandising & display cabinets						
Residential air conditioning						
Packaging or commercial air conditioning systems						
Industrial air conditioning systems						
Domestic refrigerators & freezers						
Other						

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Work Area 10 – Solve problems

Items	At Least Once Every Week	At Least Once every fortnight	At Least Once a month	At Least Once every 3 months	At Least Once every 6 months	At Least Once every year
Beverage dispensers						
Central air conditioning systems						
Dairy refrigeration systems						
Hydronic systems						
Ice making systems						
Industrial refrigeration systems						
Post mix refrigeration systems						
Refrigerated beverage vending cabinets						
Transport refrigeration systems						
Ultra-low temperature refrigeration systems						
Microbial control of air & water systems						
Other						

Work Area 11 – Service

Items	At Least Once Every Week	At Least Once every fortnight	At Least Once a month	At Least Once every 3 months	At Least Once every 6 months	At Least Once every year
Beverage dispensers						
Central air conditioning systems						
Dairy refrigeration systems						
Hydronic systems						
Ice making systems						
Industrial refrigeration systems						
Post mix refrigeration systems						
Refrigerated beverage vending cabinets						
Transport refrigeration systems						
Ultra-low temperature refrigeration systems						
Microbial control of air & water systems						
Other						

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Work Area 12 – Carry out operations

Items	At Least Once Every Week	At Least Once every fortnight	At Least Once a month	At Least Once every 3 months	At Least Once every 6 months	At Least Once every year
Beverage dispensers						
Central air conditioning systems						
Dairy refrigeration systems						
Hydronic systems						
Ice making systems						
Industrial refrigeration systems						
Post mix refrigeration systems						
Refrigerated beverage vending cabinets						
Transport refrigeration systems						
Ultra-low temperature refrigeration systems						
Microbial control of air & water systems						
Other						

Work Area 13 – Repair

Items	At Least Once Every Week	At Least Once every fortnight	At Least Once a month	At Least Once every 3 months	At Least Once every 6 months	At Least Once every year
Beverage dispensers						
Central air conditioning systems						
Dairy refrigeration systems						
Hydronic systems						
Ice making systems						
Industrial refrigeration systems						
Post mix refrigeration systems						
Refrigerated beverage vending cabinets						
Transport refrigeration systems						
Ultra-low temperature refrigeration systems						
Microbial control of air & water systems						
Other						

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Work Area 14 – Supporting Activities (Non-Electrical Work)

Items	At Least Once Every Week	At Least Once every fortnight	At Least Once a month	At Least Once every 3 months	At Least Once every 6 months	At Least Once every year
Hazard Identification						
Sustainability eg min wastage						
Safe work practice eg Risk Assessment						
OHS practice eg PPE/safety equipment/MSDS						
Monitor energy usage						
Working safely at heights using ladders, scaffolds, EWP						
Isolation, tagging, taping off						
Dealing with customers inc reporting						
Provide basic instructions to customers						
Loading & unloading materials						
Scheduled maintenance processes						
Admin duties & computer use						
Store duties eg ordering & storing						
Maintain documents eg job cards, time sheets, drawings						
General duties eg fastening, cleaning						
Provide quotes for installation or service jobs						
Using plant & equipment						
Building structure patch up & repairs to holes in walls						
Obtain & prepare equipment/tools/materials						
Welding, cutting, drilling, threading & fabricating						
Review with employer/college progress reports & training plan						



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