

Self-assessment tool for Refrigeration and Air-conditioning Mechanic (ASCO: 4312-11)



About this self-assessment tool

This tool will help you to decide whether you have the required training, work experience and competencies (skills) to meet Australian standards as a Refrigeration and Air-conditioning Mechanic.

Read the questions carefully. Tick the box with the best answer.

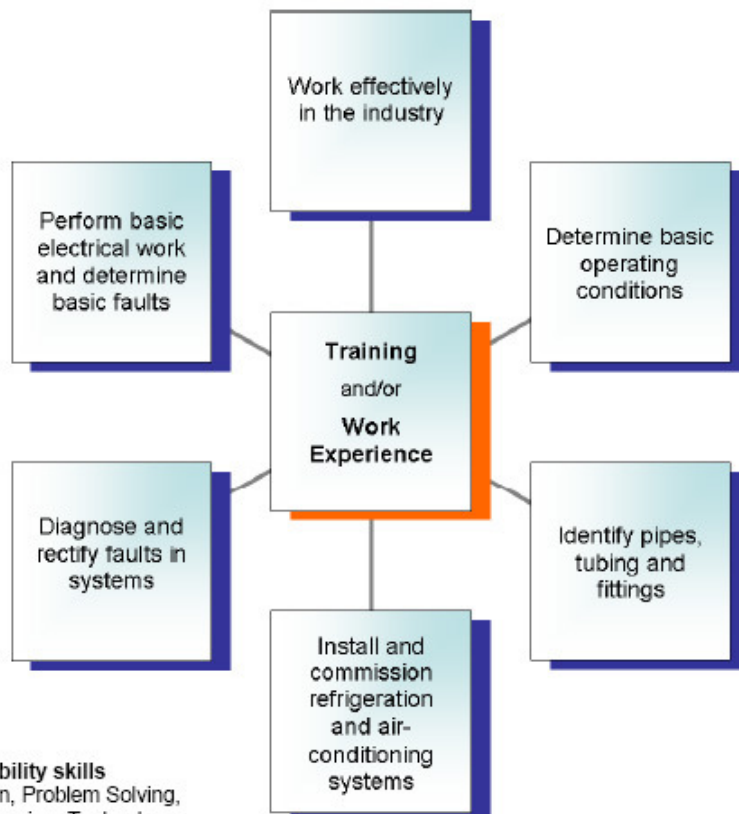
Use your answers to guide your decision about whether to apply for a trade skills assessment.

It is recommended that you can answer 'yes' to each competency cluster question and can tick a majority of boxes that indicate that you have 'regularly' done the work.

Please note that if you submit an application you will be asked to supply documented evidence to support your claims. If your evidence is suitable you will be asked to demonstrate your competencies in a practical skills assessment.

Your evidence will be used to determine if you meet the competency profile for a Refrigeration and Air-conditioning Mechanic. The diagram below gives an overview of the competencies (skills) that are expected of a Refrigeration and Air-conditioning Mechanic in Australia.

Competency Profile



General employability skills
Teamwork, Communication, Problem Solving,
Planning & Organising, Learning, Technology,
Self-management, Initiative & Enterprise.



Training and experience

Your Training	Yes	No	Not Sure
Have you undertaken formal training in the Refrigeration and Air-conditioning trade?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>If yes:</i>			
Was this training undertaken at an accredited training institution?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did the training require you to do practical experience in a workshop or on a work site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Was this qualification awarded by an Industry Body or Association or regulatory authority?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are you able to provide results and/or transcripts of trade training that you have completed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Your Work Experience	Yes	No	Not Sure
Do you have on-the-job work experience as a Refrigeration and Air-conditioning Mechanic?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>If yes:</i>			
Can you provide any evidence of employment in the trade?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Can you provide evidence of recent employment in the trade?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Competency clusters

1. Are you able to determine basic operating conditions and identify pipes, tubing and fittings?	<input type="checkbox"/> Yes		<input type="checkbox"/> No	
<i>If yes: Do you have evidence?</i> <input type="checkbox"/> Yes <input type="checkbox"/> No	<i>Regularly</i>	<i>Sometimes</i>	<i>Never</i>	
Have you determined the basic operating conditions of air-conditioning systems?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Have you determined the basic operating conditions of vapour compression systems?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Have you selected refrigeration pipe/tube, accessories and associated controls?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Have you prepared refrigeration tubing and fittings?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	



2. Are you able to install and commission refrigeration and air-conditioning systems?	<input type="checkbox"/> Yes		<input type="checkbox"/> No
<i>If yes:</i>	<i>Regularly</i>	<i>Sometimes</i>	<i>Never</i>
Have you fixed and secured equipment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have you installed refrigeration and air-conditioning systems, major components and other associated equipment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have you installed pipework for refrigeration and air-conditioning systems?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have you recovered, pressure and leak tested, and evacuated and charged refrigerants?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have you commissioned refrigeration and air-conditioning systems?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have you verified the compliance and functionality of refrigeration and air-conditioning installations?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Are you able to diagnose and rectify faults in refrigeration and air-conditioning systems?	<input type="checkbox"/> Yes		<input type="checkbox"/> No
<i>If yes:</i>	<i>Regularly</i>	<i>Sometimes</i>	<i>Never</i>
Have you diagnosed and rectified faults in refrigeration and air-conditioning systems and components?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have you diagnosed and rectified faults in refrigeration and air-conditioning control systems?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have you found and rectified faults in appliance motors and associated controls?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Are you able to perform basic electrical work and determine basic faults?	<input type="checkbox"/> Yes		<input type="checkbox"/> No
<i>If yes:</i>	<i>Regularly</i>	<i>Sometimes</i>	<i>Never</i>
Have you attached cords and plugs to electrical equipment for connection to a single phase 250 Volt supply?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have you attached cords and plugs to electrical equipment for connection to 1000V AC or 1500V DC supply?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have you disconnected and reconnected fixed wired electrical equipment connected to a low voltage supply?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have you dismantled, assembled and fabricated electrotechnology components?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have you solved problems in extra-low voltage single path circuits?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have you located and rectified faults in electrical low voltage equipment following prescribed procedures?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



5. Are you able to work effectively in the industry?	<input type="checkbox"/> Yes		<input type="checkbox"/> No
	<i>Regularly</i>	<i>Sometimes</i>	<i>Never</i>
<i>If yes:</i>			
Have you maintained documentation for servicing, commissioning, and hazards and risks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have you participated in refrigeration and air-conditioning work and competency development activities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do you carry out safe working practices?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have you used drawings, diagrams, schedules and manuals?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do you have experience in communicating with and providing a service for customers?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do you have experience in working in teams as well as independently?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do you have experience in planning and organising?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do you have experience in using a range of technology in your work?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Notes