Victorian Purchasing Guide for
AUR Automotive Retail, Service & Repair Training Package
Release No 4

April 2018
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### Victorian Purchasing Guide - Version History

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<th>Training Package Version</th>
<th>Date VPG Released</th>
<th>Comments</th>
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| AUR Automotive Retail, Service & Repair Training Package Release 4 | 9/04/2018         | This Victorian Purchasing Guide reflects the changes made to AUR Automotive Retail, Service & Repair Training Package release 3  
1 revised qualification                                                                                           |
| AUR Automotive Retail, Service & Repair Training Package Release 3                                                | 25/05/2016        | This Victorian Purchasing Guide reflects the changes made to AUR Automotive Retail, Service & Repair Training Package release 3  
53 new qualifications  
4 revised qualifications  
604 new units of competency, recoded to conform with the new standards for Training Packages  
20 revised units of competency  
23 revised and recoded skill sets  
This Training Package replaces both AUR Release 2.1 and AUR12 Release 2.1                                           |
AUR Automotive Retail, Service and Repair Training Package Victorian Purchasing Guide

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INTRODUCTION

What is a Victorian Purchasing Guide?

The Victorian Purchasing Guide provides information for use by Registered Training Organisations (RTOs) in the provision of Victorian government subsidised training.

Specifically the Victorian Purchasing Guide provides the following information related to the delivery of nationally endorsed Training Packages in Victoria:

- The maximum and minimum payable hours available for each qualification.
- Nominal hours for each unit of competency within the Training Package.

Registration

RTOs must be registered by either the Victorian Registration and Qualifications Authority (VRQA) or the Australian Skills Qualification Authority (ASQA) regulatory body to be eligible to issue qualifications and statements of attainment under the Australian Qualifications Framework (AQF).

The VRQA is the regulatory authority in Victoria responsible for the registration of education and training providers in VET who provide courses to domestic students only and who offer training in Victoria only or Victoria and Western Australia only.

To register to provide training to international students and in other Australian states and territories you will need to apply with ASQA.
## QUALIFICATIONS

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# UNITS OF COMPETENCY

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<td>Work in an automotive administration role</td>
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<td>AURAA002</td>
<td>Determine retail rates for automotive products and services</td>
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<td>Respond to customer needs and enquiries in an automotive workplace</td>
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<td>AURACA002</td>
<td>Manage complex customer requirements in an automotive workplace</td>
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<td>AURACA003</td>
<td>Build customer relations in an automotive workplace</td>
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<td>Identify environmental and sustainability requirements in an automotive service or repair workplace</td>
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<td>Follow environmental and sustainability best practice in an automotive workplace</td>
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<td>Monitor environmental and sustainability best practice in an automotive workplace</td>
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<td>AURAF001</td>
<td>Use numbers in an automotive workplace</td>
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<td>Read and respond to automotive workplace information</td>
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<td>AURAF003</td>
<td>Communicate effectively in an automotive workplace</td>
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<td>AURAF004</td>
<td>Resolve routine problems in an automotive workplace</td>
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<td>Write routine texts in an automotive workplace</td>
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<td>AURAF006</td>
<td>Conduct research and present technical reports</td>
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<td>AURAF007</td>
<td>Develop and document specifications and procedures</td>
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<td>AURAF008</td>
<td>Interpret and apply automotive repair instructions</td>
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<td>Carry out research into the automotive industry</td>
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<td>Adapt work processes to new technologies in an automotive workplace</td>
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<td>Comply with legal aspects of a service and repair contract in an automotive workplace</td>
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<td>Work effectively with others in an automotive workplace</td>
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<td>Communicate business information in an automotive workplace</td>
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<td>Identify basic automotive faults using troubleshooting processes</td>
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<td>Adjust bicycles and components</td>
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<td>Assemble bicycles</td>
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<td>Assemble new boxed bicycles for retail sale</td>
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<td>Restore bicycles</td>
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<td>Assemble components for custom bicycles</td>
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<td>Remove, repair and refit bicycle tyres</td>
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<td>Remove, refit and adjust bicycle accessories</td>
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<td>Repair bicycle frames</td>
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<td>Repair carbon fibre bicycle frames</td>
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<td>Analyse and evaluate electrical and electronic faults in electronic over hydraulic systems</td>
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<td>Depower and reinitialise battery electric vehicles</td>
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<td>Diagnose and repair high voltage rechargeable energy storage systems in battery electric vehicles</td>
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<td>Diagnose and repair auxiliary motors and associated components in battery electric vehicles</td>
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<td>Analyse and evaluate electrical and electronic faults in HEV and BEV management systems</td>
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<td>Operate electrical test equipment</td>
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<td>Install automotive security systems and components</td>
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<td>Remove and replace electrical units and assemblies</td>
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<td>Repair wiring harnesses and looms</td>
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<td>Overhaul charging system alternators</td>
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<td>Overhaul starting system motors</td>
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<td>Diagnose and repair vehicle dynamic control systems</td>
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<td>Test, charge and replace batteries and jump-start vehicles</td>
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<td>Remove, replace and program electrical and electronic units and assemblies</td>
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<td>Diagnose and repair instruments and warning systems</td>
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<td>Develop and apply network electronic control system modifications</td>
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<td>Remove, refit and operate electrical components following body repair activities</td>
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<td>Inspect, service and repair DC electric motor drive systems</td>
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<td>Service air conditioning and HVAC systems</td>
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<td>Retrofit and modify air conditioning and HVAC systems</td>
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<td>Select heavy vehicle tyres, wheels and rims for specific applications</td>
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<td>Remove, inspect and refit heavy vehicle wheel and tyre assemblies</td>
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<td>Remove, inspect, repair and refit agricultural equipment tyres and tubes</td>
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<td>Diagnose and repair heavy commercial vehicle final drive assemblies</td>
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<td>Diagnose and repair heavy vehicle drive shafts</td>
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<td>Inspect, test and replace heavy vehicle automatic transmissions</td>
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<td>Diagnose and repair heavy vehicle clutch systems</td>
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<td>Analyse and evaluate faults in heavy commercial vehicle transmission and driveline systems</td>
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<td>Inspect and service mechanical connections of heavy vehicles and trailers over 4.5 tonnes</td>
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<td>Diagnose and repair mechanical connections of heavy vehicles and trailers over 4.5 tonnes</td>
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<td>Remove and replace motorcycle components and accessories</td>
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<td>Analyse and evaluate faults in motorcycle braking systems</td>
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<td>Remove, inspect and refit motorcycle wheel and tyre assemblies</td>
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<td>Synchronise plant and equipment</td>
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<td>Inspect, service and repair crop harvesting equipment</td>
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<td>Inspect, service and repair crop planting and seeding equipment</td>
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<td>Inspect, service and repair spraying and spreading equipment</td>
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<td>Inspect, service and repair track type drive and support systems</td>
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<td>Analyse and evaluate faults in track type mobile plant transmission, steering and braking systems</td>
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<td>Diagnose complex faults in mobile plant hydraulic systems</td>
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<td>Inspect, service and repair hay cutting, raking and baling equipment</td>
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<td>Diagnose complex faults in mobile plant braking systems</td>
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<tr>
<td>AURKTD001</td>
<td>Diagnose and repair mobile plant suspension systems</td>
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<td>AURKTD002</td>
<td>Diagnose and repair mobile plant steering systems</td>
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<td>AURKTD003</td>
<td>Analyse and evaluate faults in wheeled mobile plant steering and suspension systems</td>
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<td>Analyse and evaluate faults in track type mobile plant undercarriage and suspension systems</td>
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<td>AURKTD005</td>
<td>Diagnose complex faults in mobile plant steering and suspension systems</td>
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<td>AURKTE001</td>
<td>Analyse and evaluate faults in mobile plant engine and fuel systems</td>
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<tr>
<td>AURKTJ001</td>
<td>Remove, inspect and fit earthmoving and off-the-road tyres</td>
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<td>AURKTJ002</td>
<td>Remove, inspect and fit earthmoving and off-the-road wheel and rim assemblies</td>
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<td>AURKTJ003</td>
<td>Perform minor repairs to earthmoving and off-the-road tyres</td>
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<td>AURKTJ004</td>
<td>Conduct non-destructive testing of wheel and rim assemblies</td>
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<td>AURKTJ005</td>
<td>Select earthmoving and off-the-road tyres, wheels and rim assemblies for specific applications</td>
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<td>AURKTJ006</td>
<td>Use earthmoving and off-the-road tyre handlers</td>
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<td>AURKTQ001</td>
<td>Diagnose and repair mobile plant final drive assemblies</td>
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<td>AURKTR001</td>
<td>Diagnose and repair electronic over hydraulic control systems</td>
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<td>AURKTX001</td>
<td>Diagnose and repair powershift transmissions</td>
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<td>AURKTX002</td>
<td>Analyse and evaluate faults in wheeled mobile plant transmission and driveline systems</td>
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<td>AURKTX003</td>
<td>Diagnose complex faults in mobile plant transmission and driveline systems</td>
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<td>Diagnose and repair continuously variable transmissions</td>
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<td>Determine compliance of steering and suspension modifications</td>
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<td>AURLTA001</td>
<td>Identify automotive mechanical systems and components</td>
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<td>AURLTB001</td>
<td>Overhaul light vehicle braking system components</td>
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<td>Analyse and evaluate faults in light vehicle braking systems</td>
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<td>Diagnose and repair light vehicle hydraulic braking systems</td>
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<td>AURLTB004</td>
<td>Diagnose complex faults in light vehicle braking systems</td>
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<td>AURLTD001</td>
<td>Select and install performance enhanced suspension system products</td>
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<td>Service and repair light vehicle lift assisted suspension systems</td>
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<td>AURLTD003</td>
<td>Reset steering system alignment adjustments to customer specifications</td>
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<td>Diagnose and repair light vehicle steering systems</td>
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<td>Analyse and evaluate faults in light vehicle steering and suspension systems</td>
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<td>AURLTD009</td>
<td>Diagnose complex faults in light vehicle steering and suspension systems</td>
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<td>Remove and install light vehicle engine assemblies</td>
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<td>Diagnose and repair light vehicle engines</td>
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<td>Analyse and evaluate faults in light vehicle engine and fuel systems</td>
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<td>Diagnose complex faults in light vehicle petrol engines</td>
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<td>Diagnose complex faults in light vehicle diesel engines</td>
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<td>Diagnose and repair light vehicle mechanical fuel injection systems</td>
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<td>Diagnose and repair light vehicle diesel fuel injection systems</td>
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<td>Remove, inspect, repair and refit light vehicle tyres and tubes</td>
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<td>Remove, inspect and refit light vehicle wheel and tyre assemblies</td>
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<td>Provide advice on the effects of wheel and tyre combinations</td>
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<td>Diagnose and repair light vehicle final drive assemblies</td>
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<td>Diagnose and repair light vehicle drive shafts</td>
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<td>Diagnose and repair light vehicle automatic transmissions</td>
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<td>Diagnose and repair light vehicle clutch systems</td>
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<td>Diagnose complex faults in light vehicle automatic transmission and driveline systems</td>
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<td>Transport light competition vehicles and support equipment</td>
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<td>Load and unload competition vehicles and support equipment</td>
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<td>AURMCA001</td>
<td>Manage motor sport team media liaison</td>
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<td>Manage motor sport team promotional partnerships and marketing</td>
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<td>Develop and update motor sport industry knowledge</td>
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<td>Assist with officiating duties at motor sport events</td>
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<td>AURMDA004</td>
<td>Recover vehicles at motor sport events</td>
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<td>AURMDA005</td>
<td>Act as a marshal at motor sport events</td>
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<tr>
<td>AURMDA006</td>
<td>Communicate using flags and signals at motor sport events</td>
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<td>AURMDA007</td>
<td>Act as a steward at motor sport events</td>
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<td>AURMGA001</td>
<td>Set up and dismantle temporary work location and equipment at motor sport events</td>
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<td>AURMGA002</td>
<td>Manage personal presentation and development in a motor sport environment</td>
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<td>AURMKA001</td>
<td>Manage motor sport data</td>
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<td>Apply motor sport rules and regulations when officiating</td>
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<td>Monitor motor sport official and volunteer application of rules and regulations</td>
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<td>AURMLA003</td>
<td>Inspect vehicles and equipment at motor sport events for compliance</td>
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<td>Operate in a motor sport environment</td>
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<td>AURMMA002</td>
<td>Manage the preparation of motor sport competition vehicles</td>
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<td>Manage motor sport operations</td>
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<td>Manage motor sport team development</td>
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<td>Manage team pit lane and service area operations at motor sport events</td>
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<td>AURMMA006</td>
<td>Develop and implement race strategies for motor sport events</td>
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<td>Follow motor sport event and team safety requirements</td>
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<td>Coordinate operations of a motor sport team</td>
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<td>Follow motor sport safety and risk management procedures</td>
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<td>Implement and monitor safety and risk management in a motor sport environment</td>
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<td>Prepare and service light competition vehicles</td>
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<td>Assemble and prepare competition vehicles for motor sport events</td>
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<td>Determine material suitability for competition vehicle components</td>
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<td>Prepare competition vehicles at motor sport events</td>
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<td>Perform pit lane and service area operations at motor sport events</td>
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<td>AURMTA006</td>
<td>Perform torquing and fastening on motor sport competition vehicles</td>
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<td>Conduct non-destructive testing</td>
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<td>Apply aerodynamic and vehicle dynamic principles and effects to competition vehicles</td>
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<td>Collect and log motor sport data</td>
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<td>Test suspension dampers using a dynamometer</td>
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<td>Prepare competition vehicle suspension</td>
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<td>Test engines using a dynamometer</td>
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<td>Analyse and repair performance carburetted fuel systems</td>
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<td>Analyse and repair performance fuel injection systems</td>
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<td>Select and prepare motor sport competition vehicle tyres and wheels</td>
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<td>Analyse and repair faults in performance driveline systems</td>
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<td>Construct hose and pipe assemblies for competition vehicles</td>
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<td>Inspect, service and repair forklift mast assemblies</td>
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<td>Diagnose and repair forklift hydraulic braking systems</td>
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<td>Diagnose and repair forklift hydrostatic steering systems</td>
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<td>Carry out pre-repair operations to outdoor power equipment</td>
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<td>Service and repair rotary cutting systems</td>
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<td>Service and repair drum cutting systems</td>
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<td>Service and repair chainsaw cutting systems</td>
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<td>Inspect and service line trimming systems and components</td>
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<td>Service and repair post boring systems</td>
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<td>Service and repair post hole digging systems</td>
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<td>Service and repair reciprocating cutting systems</td>
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<td>Diagnose and repair pumping systems</td>
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<td>Inspect and service outdoor power equipment engines</td>
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<td>Diagnose and repair outdoor power equipment engines</td>
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<td>Overhaul outdoor power equipment engines</td>
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<td>Test and service 240 volt portable generators</td>
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<td>Test and service electric outdoor power equipment</td>
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<td>Service and repair outdoor power equipment engine management systems</td>
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<td>AURRGA001</td>
<td>Launch and recover vessels using a trailer</td>
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<td>Use cranes, gantries and forklifts to launch and recover vessels</td>
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<td>AURRGA003</td>
<td>Moor motor-driven vessels</td>
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<td>Inspect and service deck, hull and cabin equipment</td>
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<td>AURRTA003</td>
<td>Winterise vessels and engine systems</td>
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<td>Water test vessels</td>
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<td>Analyse and evaluate faults in light marine hydraulic systems</td>
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<td>AURRTA008</td>
<td>Analyse and evaluate faults in light marine hull performance and stability systems</td>
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<td>Recommission vessels and engine systems</td>
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<td>Diagnose and repair marine exhaust and cooling systems</td>
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<td>Carry out wet run tests on vessel outboard engines</td>
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<td>Inspect and service marine outboard engines</td>
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<td>Inspect and service marine inboard engines</td>
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<td>AURRTE006</td>
<td>Diagnose and repair marine outboard engines</td>
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<td>Diagnose and repair marine inboard engines</td>
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<td>Install marine engines, controls and instruments</td>
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<td>Test marine engines in water tanks</td>
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<td>Overhaul two and four-stroke cycle marine outboard engines</td>
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<td>Analyse and evaluate faults in light marine engine and powerhead systems</td>
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<td>Inspect and service marine inboard propeller drive systems</td>
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<td>AURRTQ002</td>
<td>Inspect and service marine jet drive propulsion systems</td>
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<td>Diagnose and repair marine inboard propeller drive systems</td>
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<td>Install marine jet drive propulsion systems</td>
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<td>Diagnose and repair marine jet drive propulsion systems</td>
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<td>AURRTR001</td>
<td>Inspect, service and maintain marine battery storage systems</td>
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<td>Diagnose and repair marine electrical systems</td>
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<td>Install marine electrical systems and components</td>
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<td>Inspect and service marine outboard and stern drive transmissions</td>
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<td>Inspect and service marine inboard transmissions</td>
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<td>Diagnose and repair marine outboard and stern drive transmissions</td>
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<td>Diagnose and repair marine inboard transmissions</td>
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<td>Analyse and evaluate faults in light marine transmission systems</td>
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<td>Process customer complaints in an automotive workplace</td>
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<td>Maintain customer aftermarket relations</td>
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<td>Carry out warehousing procedures in an automotive workplace</td>
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<td>Identify and match uncommon automotive parts</td>
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<td>Select and supply automotive parts and products</td>
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<td>Present automotive products and services for sale</td>
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<td>Apply sales procedures in an automotive workplace</td>
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<td>Fit sleeves and bore and hone engine cylinders</td>
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<td>Heat treat, straighten and reclaim engine components</td>
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<td>Remove and install direct glazed windscreens</td>
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<td>AURVTN006</td>
<td>Remove and replace mechanical units during vehicle repair</td>
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<td>AURVTN007</td>
<td>Remove and clean salvageable vehicle components</td>
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<td>AURVTN008</td>
<td>Clean vehicle body and door openings</td>
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<td>AURVTN009</td>
<td>Clean vehicle engines and engine components</td>
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<td>AURVTN010</td>
<td>Clean vehicle underbody</td>
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<td>AURVTN011</td>
<td>Remove and install vehicle rear vision mirrors</td>
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<td>AURVTN012</td>
<td>Install vehicle sunroofs</td>
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<td>AURVTN013</td>
<td>Carry out paint-less dent repairs on vehicle body panels</td>
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<tr>
<td>AURVTN015</td>
<td>Repair vehicle body panels using metal finishing</td>
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<tr>
<td>AURVTN016</td>
<td>Repair vehicle body panels using filler</td>
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<td>Repair vehicle thermoplastic body panels and components</td>
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<td>Repair and replace vehicle structural damage</td>
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<td>Repair vehicle structural damage by riveting</td>
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<td>Remove and replace major welded panels on vehicles</td>
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<td>Repair vehicle body components using lead wiping</td>
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<td>Repair vehicle body misalignment</td>
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<td>Repair corroded vehicle body panels and components</td>
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<td>Repair vehicle aluminium body panels without the use of body filler</td>
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<td>Repair vehicle aluminium body panels using filler</td>
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<td>Identify and repair high strength steel vehicle components</td>
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<td>Set up and operate universal vehicle measuring systems</td>
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<td>AURVTN030</td>
<td>Service air compressors and air lines</td>
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<td>Inspect vehicle damage and determine repair procedures</td>
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<td>Service and repair air compressors and components</td>
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<td>Evaluate vehicle body repair materials, equipment and work processes</td>
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<td>Apply original equipment manufacturer repair procedures during vehicle repairs</td>
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<td>Test vehicle components for correct operation</td>
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<td>AURVTN039</td>
<td>Set up body alignment equipment on vehicles</td>
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<td>Remove and realign vehicle body panels</td>
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<td>Dismantle vehicle components</td>
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<td>Remove paint from vehicle painted surfaces</td>
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<td>Mask vehicle panels and components</td>
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<td>AURVTP003</td>
<td>Prepare vehicle spray painting equipment for use</td>
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<td>AURVTP004</td>
<td>Apply basic colour matching techniques using vehicle paint codes</td>
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<td>Apply rust prevention and sound deadening materials to vehicle body components</td>
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<td>Apply refinishing primers to vehicle surfaces</td>
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<td>Touch up minor vehicle paintwork damage</td>
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<td>Clean and polish vehicle paint surfaces</td>
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<td>Apply vehicle body film wrapping</td>
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<td>Prepare and operate vehicle paint drying equipment</td>
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<td>Apply solid acrylic two-pack materials to vehicle components</td>
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<td>Apply air dry and polyurethane refinishing materials</td>
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<td>Colour match multi-layer and clear over base two-pack paints on vehicles and components</td>
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<td>Match direct gloss solid paint colour on vehicles or components</td>
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<td>Rectify and touch up vehicle direct gloss paint faults using two-pack systems</td>
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<td>Rectify and touch up vehicle paint faults using clear over base two-pack systems</td>
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<td>Rectify vehicle multi-layer and pearl paint faults using two-pack systems</td>
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<td>Prepare and paint plastic and composite vehicle surfaces</td>
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<td>De-nib, buff and polish vehicle painted surfaces</td>
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<td>Restore vehicle body exterior paint</td>
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<td>Apply clear over base two-pack refinishing materials to vehicle body components</td>
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<td>Cut and polish painted vehicle body panels</td>
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<td>Prepare and mask vehicle body panel surfaces</td>
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<td>Fabricate vehicle composite material components</td>
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<td>Repair vehicle composite material components</td>
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<td>Fabricate vehicle body panels and components</td>
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<td>Fabricate automotive and marine trim components</td>
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<td>Carry out sewing repairs to automotive and marine trim</td>
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<td>Carry out repairs and alterations to automotive and marine trim</td>
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<td>AURVTT003</td>
<td>Remove and replace automotive and marine interior trim components</td>
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<td>Trim vehicle components</td>
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<td>Select trim and fabric materials</td>
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<td>Clean plastic trim and fittings of vehicles</td>
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<td>Clean vehicle interior trim</td>
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<td>Remove and replace vehicle and vessel seats and fittings</td>
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<td>Remove and manufacture or repair vehicle head lining</td>
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<td>Conduct sewing operations</td>
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<td>Fabricate and fit loose and fitted covers to vehicle seats and components</td>
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<td>Fabricate and install canvas products for automotive and marine components</td>
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<td>Fabricate and install automotive and marine floor coverings</td>
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<td>Fabricate and install automotive and marine soft top hoods</td>
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<td>AURVTT019</td>
<td>Fabricate and install automotive and marine frames, canopies and side curtains</td>
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<tr>
<td>AURVTT020</td>
<td>Select and use leather in automotive and marine trimming</td>
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<td>Select and apply adhesives in automotive and marine service and repair work</td>
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<td>Remove, replace and test non-electrical vehicle components and accessories</td>
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<td>AURVTW001</td>
<td>Carry out manual metal arc welding on components</td>
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<td>Carry out oxyacetylene brazing of components</td>
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<td>Carry out advanced gas metal arc welding on vehicle body sections</td>
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<td>Carry out tungsten inert gas welding</td>
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<td>Carry out spot welding</td>
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<td>AURVTW006</td>
<td>Carry out thermoplastic welding on vehicle trim components</td>
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<td>AURVTW007</td>
<td>Carry out oxyacetylene thermal heating and cutting on vehicle body sections</td>
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<td>Carry out basic gas metal arc welding</td>
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<tr>
<td>AURVTW010</td>
<td>Set up and use welding equipment</td>
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### SAMPLE TRAINING PROGRAMS

The following pages list a range of Sample Training Programs across the different qualification levels within the **AUR Automotive Retail, Service and Repair Training Package** to demonstrate how units might be packaged to meet a particular vocational outcome.

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<thead>
<tr>
<th>Occupation/ Work Function</th>
<th>Pre-vocational studies</th>
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<tr>
<td>Qualification Title</td>
<td>Certificate I in Automotive Vocational Preparation</td>
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<tr>
<td>Qualification Code</td>
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<td>Description</td>
<td>This sample training program is appropriate for a person studying the automotive industry as a pre-vocational student</td>
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<td>For advice on how to choose electives others than those listed below, please refer to the Automotive Retail, Service &amp; Repair Training Package (AUR r.4) and its Qualifications Packaging Rules or contact the CMM Automotive on (03) 9425 5761.</td>
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<tr>
<td>AURAEA001</td>
<td>Identify environmental and sustainability requirements in an automotive service or repair workplace</td>
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<tr>
<td>AURASA001</td>
<td>Apply automotive workplace safety fundamentals</td>
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<tr>
<td>AURETR003</td>
<td>Identify automotive electrical systems and components</td>
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<tr>
<td>AURLTA001</td>
<td>Identify automotive mechanical systems and components</td>
<td>25</td>
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<tr>
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<td>Use and maintain tools and equipment in an automotive workplace</td>
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<tr>
<td>AURJTA001</td>
<td>Carry out minor adjustments to motorcycles</td>
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<td>AURJTA002</td>
<td>Remove and replace motorcycle components and accessories</td>
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<tr>
<td>AURTTA001</td>
<td>Remove and tag steering, suspension and braking system components</td>
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<tr>
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<tr>
<td>AURAEA002</td>
<td>Follow environmental and sustainability best practice in an automotive workplace</td>
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<tr>
<td>AURFA003</td>
<td>Communicate effectively in an automotive workplace</td>
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<td>AURFA004</td>
<td>Resolve routine problems in an automotive workplace</td>
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<td>AURASA002</td>
<td>Follow safe working practices in an automotive workplace</td>
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<tr>
<td>AURETR003</td>
<td>Identify automotive electrical systems and components</td>
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<tr>
<td>AURLTA001</td>
<td>Identify automotive mechanical systems and components</td>
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<td>Use and maintain tools and equipment in an automotive workplace</td>
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<tr>
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<td>AURFA009</td>
<td>Carry out research into the automotive industry</td>
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<td>Install vehicle lighting and wiring systems</td>
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<td>AURTTA027</td>
<td>Carry out basic vehicle servicing operations</td>
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<td>AURTTE008</td>
<td>Dismantle and assemble multi-cylinder four-stroke petrol engines</td>
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<td>AURTTX012</td>
<td>Dismantle and assemble conventional manual transmissions</td>
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<td>Qualification Title</td>
<td>Certificate II in Automotive Air Conditioning Technology</td>
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<td>Description</td>
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<td>For advice on how to choose electives others than those listed below, please refer to the Automotive Retail, Service &amp; Repair Training Package (AUR r.4) and its Qualifications Packaging Rules or contact the CMM Automotive on (03) 9425 5761.</td>
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<tbody>
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<tr>
<td>AURAEA002</td>
<td>Follow environmental and sustainability best practice in an automotive workplace</td>
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<td>AURASA002</td>
<td>Follow safe working practices in an automotive workplace</td>
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<tr>
<td>AURETR012</td>
<td>Test and repair basic electrical circuits</td>
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<td>AURETU003</td>
<td>Service air conditioning and HVAC systems</td>
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<tr>
<td>AURETU004</td>
<td>Diagnose and repair air conditioning and HVAC systems</td>
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<tr>
<td>AURTTA018</td>
<td>Carry out diagnostic procedures</td>
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<p>| Electives |                                                                           |       |
|-----------|                                                                           |       |
| AURETU005 | Retrofit and modify air conditioning and HVAC systems                       | 30    |
| AURETR011 | Install basic ancillary electrical systems and components                  | 40    |
| AURETU001 | Install air conditioning systems                                           | 30    |
| AURETU002 | Recover vehicle refrigerants                                               | 10    |
| AURETU007 | Overhaul air conditioning and HVAC system compressors                       | 30    |</p>
<table>
<thead>
<tr>
<th>Qualification Title</th>
<th>Certificate II in Automotive Air Conditioning Technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qualification Code</td>
<td>AUR20218</td>
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<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AURTGA004</td>
<td>Carry out servicing operations</td>
<td>20</td>
</tr>
<tr>
<td>AURTGA009</td>
<td>Carry out mechanical pre-repair operations</td>
<td>20</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>345</strong></td>
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</table>
### Occupation / Work Function
Automotive Tyre Servicing Mechanic

### Qualification Title
Certificate II in Automotive Tyre Servicing Technology

### Qualification Code
AUR21916

### Description
This sample training program is appropriate for a person working in the automotive industry as a tyre servicing mechanic.

### Notes
For advice on how to choose electives other than those listed below, please refer to the Automotive Retail, Service & Repair Training Package (AUR r.4) and its Qualifications Packaging Rules or contact the CMM Automotive on (03) 9425 5761.

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AURAEA002</td>
<td>Follow environmental and sustainability best practice in an automotive workplace</td>
<td>25</td>
</tr>
<tr>
<td>AURASA002</td>
<td>Follow safe working practices in an automotive workplace</td>
<td>20</td>
</tr>
<tr>
<td>AURATA001</td>
<td>Identify basic automotive faults using troubleshooting processes</td>
<td>20</td>
</tr>
<tr>
<td>AURTTK002</td>
<td>Use and maintain tools and equipment in an automotive workplace</td>
<td>20</td>
</tr>
<tr>
<td><strong>Electives</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AURLTJ001</td>
<td>Select light vehicle tyres and wheels for specific applications</td>
<td>30</td>
</tr>
<tr>
<td>AURLTJ002</td>
<td>Remove, inspect, repair and refit light vehicle tyres and tubes</td>
<td>40</td>
</tr>
<tr>
<td>AURLTJ003</td>
<td>Remove, inspect and refit light vehicle wheel and tyre assemblies</td>
<td>20</td>
</tr>
<tr>
<td>AURAAFA003</td>
<td>Communicate effectively in an automotive workplace</td>
<td>20</td>
</tr>
<tr>
<td>AURJTTJ001</td>
<td>Remove, inspect and refit motorcycle wheel and tyre assemblies</td>
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</tr>
<tr>
<td>Qualification Title</td>
<td>Certificate II in Automotive Tyre Servicing Technology</td>
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<td>Unit Code</td>
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<tr>
<td>--------------------------------------------</td>
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</tr>
<tr>
<td>AURTTA004</td>
<td>Carry out servicing operations</td>
<td>20</td>
</tr>
<tr>
<td>AURTTB001</td>
<td>Inspect and service braking systems</td>
<td>20</td>
</tr>
<tr>
<td>AURTTE004</td>
<td>Inspect and service engines</td>
<td>20</td>
</tr>
<tr>
<td>AURTTF001</td>
<td>Inspect and service petrol fuel systems</td>
<td>25</td>
</tr>
<tr>
<td>AURTTJ001</td>
<td>Balance wheels and tyres</td>
<td>10</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td><strong>310</strong></td>
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<tr>
<td>Occupation / Work Function</td>
<td>Marine Mechanic</td>
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</tr>
<tr>
<td>---------------------------</td>
<td>-----------------</td>
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</tr>
<tr>
<td>Qualification Title</td>
<td>Certificate III in Marine Mechanical Technology</td>
<td></td>
</tr>
<tr>
<td>Qualification Code</td>
<td>AUR30516</td>
<td></td>
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</tbody>
</table>

**Description**

This sample training program is appropriate for a person working in the marine industry as a marine mechanic.

**Notes**

For advice on how to choose electives others than those listed below, please refer to the Automotive Retail, Service & Repair Training Package (AUR r.4) and its Qualifications Packaging Rules or contact the CMM Automotive on (03) 9425 5761.

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td><strong>Core</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AURAEA002</td>
<td>Follow environmental and sustainability best practice in an</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>automotive workplace</td>
<td></td>
</tr>
<tr>
<td>AURASA002</td>
<td>Follow safe working practices in an automotive workplace</td>
<td>20</td>
</tr>
<tr>
<td>AURETR012</td>
<td>Test and repair basic electrical circuits</td>
<td>40</td>
</tr>
<tr>
<td>AURETR025</td>
<td>Test, charge and replace batteries and jump-start vehicles</td>
<td>15</td>
</tr>
<tr>
<td>AURETR029</td>
<td>Diagnose and repair charging systems</td>
<td>30</td>
</tr>
<tr>
<td>AURETR030</td>
<td>Diagnose and repair starting systems</td>
<td>30</td>
</tr>
<tr>
<td>AURRTE008</td>
<td>Install marine engines, controls and instruments</td>
<td>55</td>
</tr>
<tr>
<td>AURRTR006</td>
<td>Diagnose and repair marine electrical systems</td>
<td>30</td>
</tr>
<tr>
<td>AURRTR007</td>
<td>Install marine electrical systems and components</td>
<td>15</td>
</tr>
<tr>
<td>AURTTE001</td>
<td>Apply knowledge of engine science</td>
<td>40</td>
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<tr>
<td>AURTTK002</td>
<td>Use and maintain tools and equipment in an automotive workplace</td>
<td>20</td>
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<tr>
<td><strong>Electives</strong></td>
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</tr>
<tr>
<td>AURETR011</td>
<td>Install basic ancillary electrical systems and components</td>
<td>40</td>
</tr>
<tr>
<td>AURETR023</td>
<td>Diagnose and repair spark ignition engine management systems</td>
<td>60</td>
</tr>
<tr>
<td>Qualification Title</td>
<td>Certificate III in Marine Mechanical Technology</td>
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<td>Qualification Code</td>
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<tr>
<td>Unit Code</td>
<td>Unit Title</td>
<td>Hours</td>
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<tr>
<td>AURETR024</td>
<td>Diagnose and repair compression ignition engine management systems</td>
<td>50</td>
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<tr>
<td>AURETR026</td>
<td>Remove, replace and program electrical and electronic units and assemblies</td>
<td>30</td>
</tr>
<tr>
<td>AURETR028</td>
<td>Diagnose and repair instruments and warning systems</td>
<td>40</td>
</tr>
<tr>
<td>AURETR031</td>
<td>Diagnose and repair ignition systems</td>
<td>30</td>
</tr>
<tr>
<td>AURRGA002</td>
<td>Use cranes, gantries and forklifts to launch and recover vessels</td>
<td>50</td>
</tr>
<tr>
<td>AURRTD001</td>
<td>Diagnose and repair marine steering systems</td>
<td>30</td>
</tr>
<tr>
<td>AURRTE006</td>
<td>Diagnose and repair marine outboard engines</td>
<td>40</td>
</tr>
<tr>
<td>AURRTE007</td>
<td>Diagnose and repair marine inboard engines</td>
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<tr>
<td>AURRTE011</td>
<td>Overhaul two and four-stroke cycle marine outboard engines</td>
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<tr>
<td>AURRTQ005</td>
<td>Install marine jet drive propulsion systems</td>
<td>40</td>
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<tr>
<td>AURRTQ006</td>
<td>Diagnose and repair marine jet drive propulsion systems</td>
<td>20</td>
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<tr>
<td>AURRTX003</td>
<td>Diagnose and repair marine outboard and stern drive transmissions</td>
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<tr>
<td>AURRTX004</td>
<td>Diagnose and repair marine inboard transmissions</td>
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<tr>
<td>AURT TA013</td>
<td>Diagnose and repair hydraulic systems</td>
<td>60</td>
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<tr>
<td>AURT TA021</td>
<td>Diagnose complex system faults</td>
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<tr>
<td>AURT TB001</td>
<td>Inspect and service braking systems</td>
<td>20</td>
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<tr>
<td>AURVTW003</td>
<td>Carry out advanced gas metal arc welding on vehicle body sections</td>
<td>30</td>
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<tr>
<td><strong>Total Hours</strong></td>
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## Occupation / Work Function
- Light Vehicle Mechanic

## Qualification Title
- Certificate III in Light Vehicle Mechanical Technology

## Qualification Code
- AUR30616

## Description
This sample training program is appropriate for a person working in the automotive industry as a light vehicle mechanic.

## Notes
For advice on how to choose electives others than those listed below, please refer to the Automotive Retail, Service & Repair Training Package (AUR r.4) and its Qualifications Packaging Rules or contact the CMM Automotive on (03) 9425 5761.

## Unit Code | Unit Title | Hours
--- | --- | ---

**Core**

- AURAEA002 Follow environmental and sustainability best practice in an automotive workplace 25
- AURASA002 Follow safe working practices in an automotive workplace 20
- AURETR012 Test and repair basic electrical circuits 40
- AURETR023 Diagnose and repair spark ignition engine management systems 60
- AURETR025 Test, charge and replace batteries and jump-start vehicles 15
- AURETR029 Diagnose and repair charging systems 30
- AURETR030 Diagnose and repair starting systems 30
- AURETR031 Diagnose and repair ignition systems 30
- AURLTZ001 Diagnose and repair light vehicle emission control systems 20
- AURLTB003 Diagnose and repair light vehicle hydraulic braking systems 40
- AURLTD004 Diagnose and repair light vehicle steering systems 30
<table>
<thead>
<tr>
<th>Qualification Title</th>
<th>Certificate III in Light Vehicle Mechanical Technology</th>
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</thead>
<tbody>
<tr>
<td>Qualification Code</td>
<td>AUR30616</td>
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<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Unit Code</strong></td>
<td><strong>Unit Title</strong></td>
</tr>
<tr>
<td>AURTTK002</td>
<td>Use and maintain tools and equipment in an automotive workplace</td>
</tr>
<tr>
<td>AURLTD005</td>
<td>Diagnose and repair light vehicle suspension systems</td>
</tr>
<tr>
<td>AURLTE002</td>
<td>Diagnose and repair light vehicle engines</td>
</tr>
<tr>
<td>AURTTA004</td>
<td>Carry out servicing operations</td>
</tr>
<tr>
<td>AURTTA018</td>
<td>Carry out diagnostic procedures</td>
</tr>
<tr>
<td>AURTTE004</td>
<td>Inspect and service braking systems</td>
</tr>
<tr>
<td>AURTTC003</td>
<td>Diagnose and repair cooling systems</td>
</tr>
<tr>
<td>AURTTE004</td>
<td>Inspect and service engines</td>
</tr>
<tr>
<td>AURTTF001</td>
<td>Inspect and service petrol fuel systems</td>
</tr>
<tr>
<td></td>
<td><strong>Electives</strong></td>
</tr>
<tr>
<td>AURETR010</td>
<td>Repair wiring harnesses and looms</td>
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<tr>
<td>AURETR011</td>
<td>Install basic ancillary electrical systems and components</td>
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<tr>
<td>AURETR020</td>
<td>Diagnose and repair network electronic control systems</td>
</tr>
<tr>
<td>AURETR022</td>
<td>Diagnose and repair vehicle dynamic control systems</td>
</tr>
<tr>
<td>AURETR028</td>
<td>Diagnose and repair instruments and warning systems</td>
</tr>
<tr>
<td>AURETR032</td>
<td>Diagnose and repair automotive electrical systems</td>
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<td>Qualification Title</td>
<td>Certificate III in Light Vehicle Mechanical Technology</td>
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<th>Unit Code</th>
<th>Unit Title</th>
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<tr>
<td>AURETR044</td>
<td>Diagnose and repair integrated engine and transmission management systems</td>
<td>50</td>
</tr>
<tr>
<td>AURLTD006</td>
<td>Carry out light vehicle wheel alignment operations</td>
<td>40</td>
</tr>
<tr>
<td>AURLTF001</td>
<td>Diagnose and repair light vehicle mechanical fuel injection systems</td>
<td>50</td>
</tr>
<tr>
<td>AURLTJ001</td>
<td>Select light vehicle tyres and wheels for specific applications</td>
<td>30</td>
</tr>
<tr>
<td>AURLTJ003</td>
<td>Remove, inspect and refit light vehicle wheel and tyre assemblies</td>
<td>20</td>
</tr>
<tr>
<td>AURLTQ001</td>
<td>Diagnose and repair light vehicle final drive assemblies</td>
<td>20</td>
</tr>
<tr>
<td>AURLTQ002</td>
<td>Diagnose and repair light vehicle drive shafts</td>
<td>20</td>
</tr>
<tr>
<td>AURTTA009</td>
<td>Carry out mechanical pre-repair operations</td>
<td>20</td>
</tr>
<tr>
<td>AURTTF006</td>
<td>Diagnose and repair petrol carburettor systems</td>
<td>50</td>
</tr>
<tr>
<td>AURVTW009</td>
<td>Carry out basic gas metal arc welding</td>
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**Total Hours** | **1205**
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<tr>
<th>Occupation / Work Function</th>
<th>Agricultural Mechanic</th>
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<tr>
<td>Qualification Code</td>
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<tr>
<td>Description</td>
<td>This sample training program is appropriate for a person working in the automotive industry as an agricultural mechanic.</td>
</tr>
<tr>
<td>Notes</td>
<td>For advice on how to choose electives others than those listed below, please refer to the Automotive Retail, Service &amp; Repair Training Package (AUR r.4) and its Qualifications Packaging Rules or contact the CMM Automotive on (03) 9425 5761.</td>
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<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Title</th>
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<tbody>
<tr>
<td>Core</td>
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</tr>
<tr>
<td>AURACA001</td>
<td>Respond to customer needs and enquiries in an automotive workplace</td>
<td>20</td>
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<tr>
<td>AURAEA002</td>
<td>Follow environmental and sustainability best practice in an automotive workplace</td>
<td>25</td>
</tr>
<tr>
<td>AURAFA003</td>
<td>Communicate effectively in an automotive workplace</td>
<td>20</td>
</tr>
<tr>
<td>AURASA002</td>
<td>Follow safe working practices in an automotive workplace</td>
<td>20</td>
</tr>
<tr>
<td>AURETR012</td>
<td>Test and repair basic electrical circuits</td>
<td>40</td>
</tr>
<tr>
<td>AURETR025</td>
<td>Test, charge and replace batteries and jump-start vehicles</td>
<td>15</td>
</tr>
<tr>
<td>AURETR029</td>
<td>Diagnose and repair charging systems</td>
<td>30</td>
</tr>
<tr>
<td>AURETR030</td>
<td>Diagnose and repair starting systems</td>
<td>30</td>
</tr>
<tr>
<td>AURHTE002</td>
<td>Diagnose and repair heavy vehicle compression ignition engines</td>
<td>70</td>
</tr>
<tr>
<td>AURHTF002</td>
<td>Diagnose and repair heavy vehicle diesel fuel injection systems</td>
<td>80</td>
</tr>
<tr>
<td>AURHTQ003</td>
<td>Diagnose and repair heavy vehicle drive shafts</td>
<td>30</td>
</tr>
<tr>
<td>AURKTA011</td>
<td>Diagnose and repair mobile plant hydraulic systems</td>
<td>60</td>
</tr>
<tr>
<td>AURKTB001</td>
<td>Diagnose and repair mobile plant braking systems</td>
<td>40</td>
</tr>
<tr>
<td>AURKTD002</td>
<td>Diagnose and repair mobile plant steering systems</td>
<td>40</td>
</tr>
<tr>
<td>Qualification Title</td>
<td>Certificate III in Agricultural Mechanical Technology</td>
<td></td>
</tr>
<tr>
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<td>--------------------------------------------------------</td>
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<td>Qualification Code</td>
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<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AURKTQ001</td>
<td>Diagnose and repair mobile plant final drive assemblies</td>
<td>30</td>
</tr>
<tr>
<td>AURKTX001</td>
<td>Diagnose and repair powershift transmissions</td>
<td>50</td>
</tr>
<tr>
<td>AURTTA004</td>
<td>Carry out servicing operations</td>
<td>20</td>
</tr>
<tr>
<td>AURTTA005</td>
<td>Select and use bearings, seals, gaskets, sealants and adhesives</td>
<td>10</td>
</tr>
<tr>
<td>AURTTA018</td>
<td>Carry out diagnostic procedures</td>
<td>20</td>
</tr>
<tr>
<td>AURTTB001</td>
<td>Inspect and service braking systems</td>
<td>20</td>
</tr>
<tr>
<td>AURTTA004</td>
<td>Carry out servicing operations</td>
<td>20</td>
</tr>
<tr>
<td>AURTTE004</td>
<td>Inspect and service engines</td>
<td>20</td>
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<tr>
<td>AURTF002</td>
<td>Inspect and service diesel fuel injection systems</td>
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<tr>
<td>AURTTK002</td>
<td>Use and maintain tools and equipment in an automotive workplace</td>
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**Electives**

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<tr>
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<th>Unit Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>AURETR020</td>
<td>Diagnose and repair network electronic control systems</td>
<td>40</td>
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<tr>
<td>AURETR024</td>
<td>Diagnose and repair compression ignition engine management systems</td>
<td>50</td>
</tr>
<tr>
<td>AURKTA003</td>
<td>Inspect, service and repair crop planting and seeding equipment</td>
<td>40</td>
</tr>
<tr>
<td>AURETU003</td>
<td>Service air conditioning and HVAC systems</td>
<td>25</td>
</tr>
<tr>
<td>AURETU004</td>
<td>Diagnose and repair air conditioning and HVAC systems</td>
<td>35</td>
</tr>
<tr>
<td>AURHTD003</td>
<td>Diagnose and repair heavy commercial vehicle suspension systems</td>
<td>40</td>
</tr>
<tr>
<td>Qualification Title</td>
<td>Certificate III in Agricultural Mechanical Technology</td>
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</tr>
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<tr>
<th>Unit Code</th>
<th>Unit Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>AURHTE001</td>
<td>Remove and install heavy vehicle engine assemblies</td>
<td>35</td>
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<tr>
<td>AURHTJ004</td>
<td>Remove, inspect, repair and refit agricultural equipment tyres and tubes</td>
<td>40</td>
</tr>
<tr>
<td>AURHTJ006</td>
<td>Remove, inspect, repair and refit heavy vehicle tyres and tubes</td>
<td>40</td>
</tr>
<tr>
<td>AURHTQ002</td>
<td>Diagnose and repair heavy commercial vehicle final drive assemblies</td>
<td>30</td>
</tr>
<tr>
<td>AURHTX004</td>
<td>Diagnose and repair heavy vehicle clutch systems</td>
<td>35</td>
</tr>
<tr>
<td>AURKTA002</td>
<td>Inspect, service and repair crop harvesting equipment</td>
<td>40</td>
</tr>
<tr>
<td>AURKTD001</td>
<td>Diagnose and repair mobile plant suspension systems</td>
<td>40</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
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### Occupation / Work Function
Automotive Diesel Engine Technician

### Qualification Title
Certificate III in Automotive Diesel Engine Technology

### Qualification Code
AUR31516

### Description
This sample training program is appropriate for a person working in the automotive industry as a diesel engine mechanic.

### Notes
For advice on how to choose electives others than those listed below, please refer to the Automotive Retail, Service & Repair Training Package (AUR r.4) and its Qualifications Packaging Rules or contact the CMM Automotive on (03) 9425 5761.

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AURAEA002</td>
<td>Follow environmental and sustainability best practice in an automotive workplace</td>
<td>25</td>
</tr>
<tr>
<td>AURASA002</td>
<td>Follow safe working practices in an automotive workplace</td>
<td>20</td>
</tr>
<tr>
<td>AURETR012</td>
<td>Test and repair basic electrical circuits</td>
<td>40</td>
</tr>
<tr>
<td>AURETR025</td>
<td>Test, charge and replace batteries and jump-start vehicles</td>
<td>15</td>
</tr>
<tr>
<td>AURHTE002</td>
<td>Diagnose and repair heavy vehicle compression ignition engines</td>
<td>70</td>
</tr>
<tr>
<td>AURHTF002</td>
<td>Diagnose and repair heavy vehicle diesel fuel injection systems</td>
<td>80</td>
</tr>
<tr>
<td>AURTTE004</td>
<td>Inspect and service engines</td>
<td>20</td>
</tr>
<tr>
<td>AURTTE004</td>
<td>Carry out diagnostic procedures</td>
<td>20</td>
</tr>
<tr>
<td>AURTTA004</td>
<td>Carry out servicing operations</td>
<td>20</td>
</tr>
<tr>
<td>AURTTK001</td>
<td>Use and maintain measuring equipment in an automotive workplace</td>
<td>15</td>
</tr>
<tr>
<td>AURTTK002</td>
<td>Use and maintain tools and equipment in an automotive workplace</td>
<td>20</td>
</tr>
<tr>
<td>AURTTM004</td>
<td>Assemble engine blocks and sub-assemblies</td>
<td>70</td>
</tr>
<tr>
<td>Qualification Title</td>
<td>Certificate III in Automotive Diesel Engine Technology</td>
<td></td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>--------------------------------------------------------</td>
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<tr>
<td>Qualification Code</td>
<td>AUR31516</td>
<td></td>
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<tr>
<td><strong>Unit Code</strong></td>
<td><strong>Unit Title</strong></td>
<td><strong>Hours</strong></td>
</tr>
<tr>
<td>AURTTM008</td>
<td>Dismantle and evaluate engine blocks and sub-assemblies</td>
<td>70</td>
</tr>
<tr>
<td>AURTTM011</td>
<td>Recondition engine cylinder heads</td>
<td>120</td>
</tr>
<tr>
<td><strong>Electives</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AURETR028</td>
<td>Diagnose and repair instruments and warning systems</td>
<td>40</td>
</tr>
<tr>
<td>AURETR029</td>
<td>Diagnose and repair charging systems</td>
<td>30</td>
</tr>
<tr>
<td>AURETR030</td>
<td>Diagnose and repair starting systems</td>
<td>30</td>
</tr>
<tr>
<td>AURHTE001</td>
<td>Remove and install heavy vehicle engine assemblies</td>
<td>35</td>
</tr>
<tr>
<td>AURHTX004</td>
<td>Diagnose and repair heavy vehicle clutch systems</td>
<td>35</td>
</tr>
<tr>
<td>AURHTZ001</td>
<td>Diagnose and repair heavy vehicle emission control systems</td>
<td>20</td>
</tr>
<tr>
<td>AURMTE001</td>
<td>Test engines using a dynamometer</td>
<td>40</td>
</tr>
<tr>
<td>AURTTA005</td>
<td>Select and use bearings, seals, gaskets, sealants and adhesives</td>
<td>10</td>
</tr>
<tr>
<td>AURTTA009</td>
<td>Carry out mechanical pre-repair operations</td>
<td>20</td>
</tr>
<tr>
<td>AURTTF002</td>
<td>Inspect and service diesel fuel injection systems</td>
<td>20</td>
</tr>
<tr>
<td>AURTTL001</td>
<td>Inspect and service CNG fuel systems</td>
<td>15</td>
</tr>
<tr>
<td>AURTTL002</td>
<td>Diagnose and repair CNG fuel systems</td>
<td>40</td>
</tr>
<tr>
<td>AURVTW001</td>
<td>Carry out manual metal arc welding on components</td>
<td>30</td>
</tr>
<tr>
<td>AURVTW003</td>
<td>Carry out advanced gas metal arc welding on vehicle body sections</td>
<td>30</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>1000</strong></td>
</tr>
</tbody>
</table>
### Occupation / Work Function
- Automotive Diagnostic Technician

### Qualification Title
- Certificate IV in Automotive Mechanical Diagnosis

### Qualification Code
- AUR40216

### Description
- This sample training program is appropriate for a person working in the automotive mechanical industry as an automotive diagnostic technician.

### Notes
- For advice on how to choose electives other than those listed below, please refer to the Automotive Retail, Service & Repair Training Package (AUR r.4) and its Qualifications Packaging Rules or contact the CMM Automotive on (03) 9425 5761.

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AURTTA021</td>
<td>Carry out diagnosis of complex system faults</td>
<td>80</td>
</tr>
<tr>
<td><strong>Electives</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AURKTB003</td>
<td>Diagnose complex faults in mobile plant braking systems</td>
<td>50</td>
</tr>
<tr>
<td>AURKTD005</td>
<td>Diagnose complex faults in mobile plant steering and suspension systems</td>
<td>50</td>
</tr>
<tr>
<td>AURKTX003</td>
<td>Diagnose complex faults in mobile plant transmission and driveline systems</td>
<td>50</td>
</tr>
<tr>
<td>AURLTB004</td>
<td>Diagnose complex faults in light vehicle braking systems</td>
<td>50</td>
</tr>
<tr>
<td>AURLTD009</td>
<td>Diagnose complex faults in light vehicle steering and suspension systems</td>
<td>50</td>
</tr>
<tr>
<td>AURLTE004</td>
<td>Diagnose complex faults in light vehicle petrol engines</td>
<td>50</td>
</tr>
<tr>
<td>AURLTE005</td>
<td>Diagnose complex faults in light vehicle diesel engines</td>
<td>50</td>
</tr>
<tr>
<td>AURLTX004</td>
<td>Diagnose complex faults in light vehicle automatic transmission and driveline systems</td>
<td>50</td>
</tr>
<tr>
<td>Qualification Title</td>
<td>Certificate IV in Automotive Mechanical Diagnosis</td>
<td></td>
</tr>
<tr>
<td>---------------------</td>
<td>-----------------------------------------------------</td>
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<tr>
<td>Qualification Code</td>
<td>AUR40216</td>
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<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AURMTE001</td>
<td>Test engines using a dynamometer</td>
<td>40</td>
</tr>
</tbody>
</table>

**Total Hours**  520
<table>
<thead>
<tr>
<th>Occupation / Work Function</th>
<th>Motor Sports Operations Manager</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qualification Title</td>
<td>Diploma of Motorsport Technology</td>
</tr>
<tr>
<td>Qualification Code</td>
<td>AUR50316</td>
</tr>
<tr>
<td>Description</td>
<td>This sample training program is appropriate for a person working in the motorsport industry as a workplace manager.</td>
</tr>
<tr>
<td>Notes</td>
<td>For advice on how to choose electives others than those listed below, please refer to the Automotive Retail, Service &amp; Repair Training Package (AUR r.4) and its Qualifications Packaging Rules or contact the CMM Automotive on (03) 9425 5761.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit Code</th>
<th>Unit Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Core</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AURAMA006</td>
<td>Contribute to planning and implementing business improvement in an automotive workplace</td>
<td>120</td>
</tr>
<tr>
<td>AURMMA003</td>
<td>Manage motor sport operations</td>
<td>60</td>
</tr>
<tr>
<td>AURMMA004</td>
<td>Manage motor sport team development</td>
<td>60</td>
</tr>
<tr>
<td><strong>Electives</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AURETE001</td>
<td>Analyse and evaluate electrical and electronic faults in engine management systems</td>
<td>60</td>
</tr>
<tr>
<td>AURETX001</td>
<td>Analyse and evaluate electrical and electronic faults in driveline management systems</td>
<td>60</td>
</tr>
<tr>
<td>AURLTB002</td>
<td>Analyse and evaluate faults in light vehicle braking systems</td>
<td>60</td>
</tr>
<tr>
<td>AURMMA005</td>
<td>Manage team pit lane and service area operations at motor sport events</td>
<td>40</td>
</tr>
<tr>
<td>AURMCA001</td>
<td>Manage motor sport team media liaison</td>
<td>40</td>
</tr>
<tr>
<td>Qualification Title</td>
<td>Diploma of Motorsport Technology</td>
<td></td>
</tr>
<tr>
<td>-----------------------------</td>
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<tr>
<td>Qualification Code</td>
<td>AUR50316</td>
<td></td>
</tr>
<tr>
<td>Unit Code</td>
<td>Unit Title</td>
<td>Hours</td>
</tr>
<tr>
<td>AURMCA002</td>
<td>Manage motor sport team promotional partnerships and marketing</td>
<td>40</td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td></td>
<td><strong>540</strong></td>
</tr>
</tbody>
</table>
CONTACTS AND LINKS

<table>
<thead>
<tr>
<th>Curriculum Maintenance Manager (CMM)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering Industries - Automotive</td>
<td>The CMM Service is provided by Executive Officers, across all industry areas covered by Training Packages. They can assist with questions on payable and nominal hours.</td>
</tr>
<tr>
<td>Pat Thornton</td>
<td></td>
</tr>
<tr>
<td>Address: Private Bag 299, Somerton Vic 3062</td>
<td></td>
</tr>
<tr>
<td>Phone/fax: 9425 5761</td>
<td></td>
</tr>
<tr>
<td>Email: <a href="mailto:pthornton@kangan.edu.au">pthornton@kangan.edu.au</a></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Skills Service Organisation (SSO)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PwC Skills for Australia</td>
<td>This SSO is responsible for developing this AUR Automotive Retail, Service &amp; Repair Training Package, companion volumes and support material and can be contacted for further information.</td>
</tr>
<tr>
<td>Info line: 1800 714 819</td>
<td></td>
</tr>
<tr>
<td>The SSO website can be found here&gt;</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>National Register for VET in Australia</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Training.gov.au (TGA)</td>
<td>TGA is the Australian government's official National Register of information on Training Packages, Accredited Courses, qualifications, units of competency and RTOs.</td>
</tr>
<tr>
<td>National Register website can be found here</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Australian Government</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Education and Training</td>
<td>The Commonwealth Department is responsible for national policies and programmes that help Australians access quality vocational education and training.</td>
</tr>
<tr>
<td>The Commonwealth Department of Education and Training website can be found here</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Victorian State Government</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Education and Training (DET)</td>
<td>DET is responsible for funding and the implementation of Vocational Education and Training (VET) in Victoria, including Apprenticeships and Traineeships policy.</td>
</tr>
<tr>
<td>(03) 9637 2000</td>
<td></td>
</tr>
<tr>
<td>The Victorian Department of Education and Training website can be found here</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>National VET Regulatory Authority</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Australian Skills Quality Authority (ASQA)</td>
<td>ASQA is the national regulator for Australia’s VET sector.</td>
</tr>
<tr>
<td>Info line: 1300 701 801</td>
<td></td>
</tr>
<tr>
<td>ASQA’s website can be found here</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Victorian State VET Regulatory Authority</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Victorian Registration and Qualifications Authority (VRQA)</td>
<td>The VRQA is a statutory authority responsible for the registration and regulation of Victorian RTOs and for the regulation of apprenticeships and traineeships in Victoria.</td>
</tr>
<tr>
<td>----------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>

**Industry Regulatory Bodies applicable to this Training Package**

<table>
<thead>
<tr>
<th>Automotive Alternative Fuels Registration Board (AAFRB)</th>
<th>The industry Regulatory body can provide advice on licensing, legislative or regulatory requirements which may impact on the delivery of training or the issuance of qualifications in this Training Package.</th>
<th>Address: P.O.Box 3114 Auburn, Vic 3123 Phone/fax: 03) 9818 4304/(03) 9815 1540 AAFRB website can be found <a href="#">here</a></th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Australian Refrigeration Council Ltd.</th>
<th>The industry Regulatory body can provide advice on licensing, legislative or regulatory requirements which may impact on the delivery of training or the issuance of qualifications in this Training Package.</th>
<th>Address: Locked Bag 3033, Box Hill, Vic, 3128 Level 2, 818 Whitehorse Road, Box Hill 3128 Phone/fax: 1300 88 44 83 / 1300 55 40 23 Email: <a href="mailto:enquire@arctic.org">enquire@arctic.org</a> Arctick website can be found <a href="#">here</a></th>
</tr>
</thead>
</table>
## GLOSSARY

<table>
<thead>
<tr>
<th><strong>Code</strong></th>
<th>Nationally endorsed Training Package qualification code.</th>
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</thead>
<tbody>
<tr>
<td><strong>Title</strong></td>
<td>Nationally endorsed Training Package qualification title.</td>
</tr>
<tr>
<td><strong>Unit Code</strong></td>
<td>Nationally endorsed Training Package unit of competency code.</td>
</tr>
<tr>
<td><strong>Unit Title</strong></td>
<td>Nationally endorsed Training Package unit of competency title.</td>
</tr>
<tr>
<td><strong>Payable Hours</strong></td>
<td>The maximum number of hours the Victorian Government will subsidise under the Victorian Training Guarantee for the achievement of the minimum realistic vocational outcome of any qualification, as determined by the qualification packaging rules. The maximum payable hours do not cover every possible combination of core and elective units available for a specific qualification.</td>
</tr>
<tr>
<td><strong>Nominal Hours</strong></td>
<td>Nominal hours reflect the anticipated time taken to deliver and assess the outcomes of a unit of competency excluding unsupervised delivery or the time taken for repeated practical application of skills. Nominal hours are determined by the Victorian State Training Authority (DET) and are primarily developed for funding purposes in Victoria.</td>
</tr>
</tbody>
</table>