



**Australian Government**

# **AUR31114 Certificate III in Heavy Commercial Vehicle Mechanical Technology**

**Release 2**

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### **Modification History**

<b>Release</b>	<b>Comment</b>
<b>Release 1</b>	New Qualification
<b>Release 2</b>	Corrections to metadata

### **Qualification Description**

This qualification reflects the role of individuals who perform a broad range of tasks on a variety of heavy commercial vehicles in the automotive mechanical service and repair sector.

### **Entry Requirements**

This qualification may be accessed by direct entry.

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

## Packaging Rules

**Total number of units = 36**

**22** core units

**14** elective units, of which:

- a unit must be chosen from one of the Specialist Elective Unit Groups below
- of the remaining units required to make up the elective unit total:
  - up to **13** elective units may be chosen from the Specialist Elective Unit Group not already chosen, and General Elective Units listed below
  - up to **6** elective units may be chosen from a Certificate II qualification or above in this Training Package or another endorsed Training Package or accredited course, provided that the units chosen contribute to the vocational outcome of this qualification and do not duplicate the outcome of another unit chosen for the qualification.

### Core Units

Unit code	Unit title
AURAEA2002	Apply environmental and sustainability best practice in an automotive workplace
AURASA2002	Apply safe working practices in an automotive workplace
AURETR2012	Test and repair basic electrical circuits
AURETR3022	Diagnose and repair vehicle dynamic control systems
AURETR3024	Diagnose and repair electronic compression ignition engine management systems
AURETR3025	Test, charge and replace batteries
AURETR3029	Diagnose and repair charging systems
AURETR3030	Diagnose and repair starting systems
AURHTB3001	Repair air braking systems
AURHTD3002	Repair steering systems (heavy vehicle)
AURHTD3003	Repair suspension systems (heavy vehicle)
AURHTE3002	Repair engines and associated engine components (heavy vehicle)
AURHTQ3003	Repair final drive - driveline (heavy vehicle)
AURHTZ3001	Diagnose and repair heavy vehicle emission control systems
AURTTA2004	Carry out servicing operations

Unit code	Unit title
AURTTA2006	Service hydraulic systems
AURTTA3018	Carry out diagnostic procedures
AURTTC3003	Diagnose and repair cooling systems
AURTTF2002	Service diesel fuel injection systems
AURTTF3005	Inspect and repair engine forced induction systems
AURTTK2002	Use and maintain workplace tools and equipment
AURTTQ2001	Service final drive assemblies

**Specialist Elective Unit Groups****Group A: Heavy Vehicle Manual Transmission**

Unit code	Unit title
AURHTX3001	Repair transmissions - manual (heavy vehicle)

**Group B: Heavy Vehicle Automatic Transmission**

Unit code	Unit title
AURHTX3003	Repair transmissions - automatic (heavy vehicle)

**General Elective Units**

Unit code	Unit title
AURAF2003	Communicate effectively in an automotive workplace
AURAMA2001	Work effectively with others
AURETR3020	Repair electronic systems
AURETR3032	Repair electrical systems
AURETR3043	Service and repair electronic body management systems
AURETR3044	Service and repair electronic drive management systems
AURETU2003	Service air conditioning and HVAC systems
AURETU3004	Diagnose and repair air conditioning and HVAC systems

Unit code	Unit title
AURETU3005	Retrofit and modify air conditioning and HVAC systems
AURHTB3002	Diagnose and repair heavy vehicle hydraulic braking systems
AURHTB3007	Diagnose and repair heavy vehicle electronic braking systems
AURHTD3004	Carry out wheel alignment operations (heavy vehicle)
AURHTE2001	Remove and install heavy vehicle engine assemblies
AURHTJ2003	Remove, inspect, and refit heavy vehicle wheel assemblies
AURHTJ2006	Remove, inspect, repair and fit tyres and tubes (heavy)
AURHTQ3002	Repair final drive assemblies (heavy vehicle)
AURHTX3002	Inspect, test and replace transmissions - automatic (heavy vehicle)
AURHTX3004	Diagnose and repair heavy vehicle clutch systems
AURTTA2005	Select and use bearings, seals, gaskets, sealants and adhesives
AURTTA3013	Repair hydraulic systems
AURTTA3014	Assemble and install pneumatic systems and components
AURTTB2001	Inspect and service braking systems
AURTTB2004	Inspect and service air braking systems
AURTTB3006	Inspect, service and repair auxiliary braking systems
AURTTD2002	Inspect and service steering systems
AURTTD2004	Inspect and service suspension systems
AURTTE2004	Inspect and service engines
AURTTF3004	Repair diesel fuel injection systems
AURTTK2001	Use and maintain measuring equipment in an automotive workplace
AURTTX2002	Inspect and service transmissions (manual)
AURTTX2003	Inspect and service transmissions (automatic)
AURTTZ2002	Repair exhaust system components

Unit code	Unit title
AURVTW2001	Carry out manual metal arc welding procedures
AURVTW2003	Carry out gas metal arc welding procedures
AURVTW2004	Carry out gas tungsten arc welding procedures
AURVTW2008	Carry out oxy acetylene welding, thermal cutting and thermal heating procedures

## Qualification Mapping Information

No equivalent qualification.

## Links

Implementation Guide - <http://www.asacompanionvolumes.com.au/aur-implementation-guide>