

Summary of change

Key to mapping tables

Code	Term	Definition
E	Equivalent	Where the workplace outcomes of the superseded and superseding training package components are equivalent.
NA	Not applicable	Where mapping information is not applicable. Minor updates do not require an equivalence determination.
NE	Not equivalent	Where a training package component is superseded, and the workplace outcome of the component has changed.
NC	Newly created	Where the training package component has been created to address an emerging skill or task required by industry.
D	Deleted	Where a training package component is deleted as the skill or task is no longer required by industry.

Qualification

AUR Release 9.0		Proposed AUR Release			
Code	Title	Code	Title	Proposed Changes	E/NE
AUR32721	Certificate III in Automotive Electric Vehicle Technology	AUR3272X	Certificate III in Automotive Electric Vehicle Technology	Supersedes and is equivalent to AUR32721 Certificate III in Automotive Electric Vehicle Technology. The following units have been added to the Core: - AURETR249 Scan and calibrate Advanced Driver Assistance Systems (ADAS) - AURETU104 Diagnose and repair air conditioning and HVAC components The following Core units have been reviewed, updated and replaced: - AURETHX01 Depower and reinitialise electric vehicles - AURETHX02 Inspect and maintain battery electric vehicles - AURETHX04 Diagnose and repair traction motor speed control systems in battery electric vehicles - AURETHX05 Diagnose and repair high voltage traction motors in battery electric vehicles - AURETHX06 Diagnose and repair auxiliary motors and associated components in battery electric vehicles - AURETHX07 Diagnose and repair system instrumentation and safety interlocks in battery electric vehicles - AURETHX08 Diagnose and repair HVAC and rechargeable energy storage cooling systems in battery electric vehicle - AURETHX09 Diagnose and repair DC to DC converters in battery electric vehicles The following specialist elective units have been reviewed, updated and replaced: - AURETHX03 Diagnose and repair high voltage rechargeable energy storage systems in battery electric vehicles - AURETHX15 Diagnose, remove and replace heavy electric vehicle rechargeable energy storage systems	E

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				The following specialist elective units have replaced superseded equivalent units: • AURLTJ202 Remove, inspect, repair and refit light vehicle tyres • AURTTJ111 Balance wheels and tyres The following units have been added to the electives: • AURAKA001 Use information technology systems • AURETH110 Diagnose and repair high voltage rechargeable energy storage systems in hybrid electric vehicles • AURETH114 Diagnose complex faults in hybrid and battery electric vehicle network management systems • AURETR116 Read and apply vehicle wiring schematics and drawings • AURETR132 Diagnose and repair automotive electrical systems • AURTTC001 Inspect and service cooling systems • AURTTE104 Inspect and service engines • AURTTTF101 Inspect and service petrol fuel systems • AURTTTF102 Inspect and service diesel fuel injection systems	
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Units of Competency

AUR Release 9.0		Proposed AUR Release				
Code	Title	Code	Title	Proposed Changes	Rationale	E/NE
AURETH101	Depower and reinitialise battery electric vehicles	AURETHX01	Depower and reinitialise electric vehicles	Consolidation of units to cover depowering and reinitialising of electric vehicles, covering battery electric, plug-in hybrid electric, and hybrid electric vehicles. Updates to the title, Application, Foundation skills, Elements, Performance Criteria, Performance Evidence, Knowledge Evidence and Assessment conditions.	Consultation identified that the process, skills and knowledge required to depower and reinitialise all types of electric vehicles are the same, and that multiple depowering units was confusing to industry. Changes made to the unit to increase safety requirements, underpinning knowledge required to work with electric vehicles, and the equipment required to conduct this work.	NE
AURETH011	Depower and reinitialise hybrid electric vehicles					
AURETH102	Inspect and maintain battery electric vehicles	AURETHX02	Inspect and maintain battery electric vehicles	Updates to the Application, Elements, Performance criteria, Performance Evidence, Knowledge Evidence and Assessment conditions. Removal of Foundation skills. Inspection of high voltage component integrity, equipotential bonding and thermal management systems added. Unit scope clarified to exclude work within RESS and diagnose and repair of high voltage faults.	Consultation identified inspection and maintenance of BEV needed greater focus on high voltage component condition, thermal management and emergency response. Changes made to clarify boundaries of job role, strengthen safety requirements in like with AS 5732 and set clearer requirements for assessment and third-party evidence.	E

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AURETH103	Diagnose and replace high voltage rechargeable energy storage systems in battery electric vehicles	AURETHX03	Diagnose and repair high voltage rechargeable energy storage systems in battery electric vehicles	Updates to the Application, Elements, Performance criteria, Performance evidence, Knowledge evidence and Assessment conditions. Removal of Foundation skills. Unit now covers replacement of faulty battery cells or modules rather than their repair. Escalation of work outside the job role was added, and Performance Evidence now requires module balancing.	Consultation identified that repairing battery cells or modules is generally not authorised by manufacturers and carries significant risk. Changes made to define the boundaries of the job role, strengthen safety and emergency response requirements in line with AS 5732 and set clearer requirements for assessment and third-party evidence.	NE
AURETH104	Diagnose and repair traction motor speed control systems in battery electric vehicles	AURETHX04	Diagnose and repair traction motor speed control systems in battery electric vehicles	Updates to the Application, Pre-requisite, Performance Criteria, Performance Evidence, Knowledge Evidence and Assessment conditions. AURETHX01 added as pre-requisite. Manufacturer calibration and coding after controller replacement added, and network communication, software-related faults and escalation of work outside the job role covered.	Consultation identified that traction motor speed control systems are increasingly software-controlled, and that controller replacement requires post-repair calibration and coding. A depowering pre-requisite was added for consistency with the other high voltage units, and safety requirements were strengthened in line with AS 5732	E
AURETH105	Diagnose and repair high voltage traction motors in battery electric vehicles	AURETHX05	Diagnose and repair traction motors in battery electric vehicles	Updates to the Title, Application, Pre-requisite, Elements, Performance Criteria, Performance Evidence, Knowledge Evidence and Assessment conditions. AURETHX01 added as a pre-requisite. Insulation resistance testing of traction motor winding is now required. Calibration after motor or sensor replacement and escalation of work outside the job role were added.	Consultation identified that insulation resistance testing is a critical test for traction motors, and that motor or sensor replacement requires manufacturer calibration. A depowering pre-requisite was added for consistency with the other high voltage units and safety requirements were strengthened in line with AS 5732	E

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AURETH106	Diagnose and repair auxiliary motors and associated components in battery electric vehicles	AURETHX06	Diagnose and repair auxiliary motors and associated components in battery electric vehicles	Updates to the Application, Pre-requisite, Elements, Performance Criteria, Range of Conditions, Performance Evidence, Knowledge Evidence and Assessment Conditions. Range of Conditions added to define the auxiliary systems covered. Networked and software-managed auxiliary systems added, along with calibration after component replacement and escalation of work outside the job role.	Consultation identified that auxiliary systems are increasingly networked and software-controlled, and that component replacement often requires manufacturer calibration or initialisation. Changes made to clarify the systems in scope and strengthen safety requirements in line with AS 5732.	E
AURETH107	Diagnose and repair system instrumentation and safety interlocks in battery electric vehicles	AURETHX07	Diagnose and repair system instrumentation and safety interlocks in battery electric vehicles	Updates to the title, Application, Pre-requisite, Elements, Performance Criteria, Performance Evidence, Knowledge Evidence and Assessment Conditions. The unit adds coding, pairing and initialisation after component replacement, and covers software-monitored and network-based safety interlocks. It also adds escalation of work outside the job role and the distinction between low voltage driver interface work and high voltage interlock work.	Title updated to better reflect the systems covered by the unit. Consultation identified that safety interlocks are increasingly software-monitored and network-based, and that replacing driver interface or interlock components requires manufacturer coding or pairing. Changes made to clarify risk controls for low and high voltage work in line with AS 5732.	E
AURETH108	Diagnose and repair HVAC and rechargeable energy storage cooling systems in battery electric vehicle	AURETHX08	Diagnose and repair HVAC and rechargeable energy storage cooling in battery electric vehicles	Updates to the title, Application, Licensing/Regulatory Information, Pre-requisite, Elements, Performance Criteria, Performance Evidence, Knowledge Evidence and Assessment Conditions. Air conditioning prerequisites and ARCTick licensing	Title condensed to meet the AVETMISS 100-character limit. Technical Committee identified that refrigerant handling requires an ARCTick licence, which is supported by the air conditioning prerequisites. Changes made to reflect the software-controlled thermal management systems in current	E

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				requirements added. The unit now covers software-controlled thermal management, root cause diagnosis and escalation of work outside the job role.	vehicles and to strengthen safety requirements in line with AS 5732.	
AURETH109	Diagnose and repair DC to DC converters in battery electric vehicles	AURETHX09	Diagnose and repair DC to DC converters in battery electric vehicles	Updates to the Application, Elements, Performance Criteria, Performance Evidence, Knowledge Evidence and Assessment Conditions. The repair scope is now defined as component replacement, excluding board-level repair. The unit also adds converter communication with vehicle energy management systems, software diagnostics, coding after component replacement, and escalation of work outside the job role.	Consultation identified that DC to DC converters are increasingly integrated with vehicle energy management systems, and that board-level repair falls outside the automotive technician's role. Changes made to clarify the boundaries of the job role and strengthen safety requirements in line with AS 5732.	E
AURETH015	Diagnose, remove and replace heavy electric vehicle rechargeable energy storage systems	AURETHX15	Diagnose, remove and replace heavy electric vehicle rechargeable energy storage systems	Updates to the Application, Pre-requisite, Elements, Performance Criteria, Performance Evidence, Knowledge Evidence and Assessment Conditions. Mechanical lifting and handling of the RESS added, along with control of stored energy sources and root cause diagnosis. Knowledge of high voltage isolation zones, electric shock response and cell and module interconnection added.	Consultation identified that removing and replacing heavy vehicle RESS carries significant mechanical as well as electrical risk, due to the mass and size of the battery pack. Changes made to strengthen safety requirements in line with AS 5732, and to replace unclear terminology on cell interconnection and layout.	