

Mobile Plant Technology Draft Summary of Changes

Units of competency

Existing AUR 8.0			Draft 1 AUR 9.0				
Code	Title	Prerequisites	Code	Title	Pre-requisite	Change	Equivalence
AURASA102	Follow safe working practices in an automotive workplace	NA	AURASAX02	Follow safe working practices in an automotive workplace	NA	Updated KE	E
AURAEA002	Follow environmental and sustainability best practice in an automotive workplace	NA	AURAEAX02	Follow environmental and sustainability best practice in an automotive workplace	NA	Under Review	E
AURETK002	Use and maintain electrical test equipment in an automotive workplace	NA	AURETKX02	Use and maintain electrical test equipment in an automotive workplace	NA	Under Review	E
AURETR007	Apply knowledge of automotive electrical circuits and wiring systems	NA	AURETRX07	Apply knowledge of automotive electrical circuits and wiring systems	NA	Updated FS	E
AURETR010	Repair wiring harnesses and looms	NA	AURETRX10	Repair wiring harnesses and looms	NA	Updated FS	E
AURETR112	Test and repair basic electrical circuits	NA	AURETRX12	Test and repair basic electrical circuits	NA	Updated FS	E
AURETR124	Diagnose and repair compression ignition engine management systems	NA	AURETRX24	Diagnose and repair compression ignition engine management systems	NA	Updated FS	E

AURETR125	Test, charge and replace batteries and jump-start vehicles	NA	AURETRX25	Test, charge and replace batteries and jump-start vehicles	NA	Updated FS	E
AURETR129	Diagnose and repair charging systems	NA	AURETRX29	Diagnose and repair charging systems	NA	Updated FS	E
AURETR130	Diagnose and repair starting systems	NA	AURETRX30	Diagnose and repair starting systems	NA	Updated FS and KE	E
AURHTE102	Diagnose and repair heavy vehicle compression ignition engines	NA	AURHTEX02	Diagnose and repair heavy vehicle compression ignition engines	NA	Updated FS	E
AURHTF102	Diagnose and repair heavy vehicle diesel fuel injection systems	NA	AURHTFX02	Diagnose and repair heavy vehicle diesel fuel injection systems	NA	Updated FS and PE	E
AURHTQ102	Diagnose and repair heavy commercial vehicle final drive assemblies	NA	AURHTQX02	Diagnose and repair heavy commercial vehicle final drive assemblies	NA	Updated FS	E
AURHTQ103	Diagnose and repair heavy vehicle drive shafts	NA	AURHTQX03	Diagnose and repair heavy vehicle drive shafts	NA	Updated application and FS	E
AURKTA005	Inspect, service and repair track type drive and support systems	NA	AURKTAX05	Inspect, service and repair track type drive and support systems	NA	Updated FS	E
AURKTA111	Diagnose and repair mobile plant hydraulic systems	NA	AURKTAX11	Diagnose and repair mobile plant hydraulic systems	NA	Updated FS and PE	E
AURKTB101	Diagnose and repair mobile plant braking systems	NA	AURKTBX01	Diagnose and repair mobile plant braking systems	NA	Updated FS and PE	E
AURKTD102	Diagnose and repair mobile plant steering systems	NA	AURKTDX02	Diagnose and repair mobile plant steering systems	NA	Updated FS and PE	E

AURKTQ101	Diagnose and repair mobile plant final drive assemblies	NA	AURKTQX01	Diagnose and repair mobile plant final drive assemblies	NA	Updated FS	E
AURKTX101	Diagnose and repair powershift transmissions	NA	AURKTXX01	Diagnose and repair powershift transmissions	NA	Updated FS, PE and AC	E
AURLTB103	Diagnose and repair light vehicle hydraulic braking systems	NA	AURLTBX03	Diagnose and repair light vehicle hydraulic braking systems	NA	Updated FS	E
AURNTA001	Inspect, service and repair forklift mast assemblies	NA	AURNTAX01	Inspect, service and repair forklift mast assemblies	NA	Updated FS	E
AURNTB101	Diagnose and repair forklift hydraulic braking systems	NA	AURNTBX01	Diagnose and repair forklift or EWP hydraulic braking systems	NA	Updated title and content to include forklifts or EWPs and updated FS	E
AURNTD101	Diagnose and repair forklift hydrostatic steering systems	NA	AURNTDX01	Diagnose and repair forklift hydrostatic steering systems	NA	Updated FS	E
AURTTA006	Inspect and service hydraulic systems	NA	AURTTAX06	Inspect and service hydraulic systems	NA	Updated FS, KE and AC	E
AURTTA104	Carry out servicing operations	NA	AURTTAX04	Carry out servicing operations	NA	Updated FS and PE	E
AURTTA105	Select and use bearings, seals, gaskets, sealants and adhesives	NA	AURTTAX05	Select and use bearings, seals, gaskets, sealants and adhesives	NA	Updated FS	E
AURTTA113	Diagnose and repair hydraulic systems	NA	AURTTAX13	Diagnose and repair hydraulic systems	NA	Updated application and FS	E
AURTTA118	Develop and carry out diagnostic test strategies	NA	AURTTAX18	Develop and carry out diagnostic test strategies	NA	Updated FS	E

AURTTB101	Inspect and service braking systems	NA	AURTTBX01	Inspect and service braking systems	NA	Updated FS and AC	E
AURTTC103	Diagnose and repair cooling systems	NA	AURTTCX03	Diagnose and repair cooling systems	NA	Updated FS	E
AURTTE104	Inspect and service engines	NA	AURTTEX04	Inspect and service engines	NA	Updated FS and KE	E
AURTTF105	Diagnose and repair engine forced-induction systems	NA	AURTTFX05	Diagnose and repair engine forced-induction systems	NA	Updated FS	E
AURTTK102	Use and maintain tools and equipment in an automotive workplace	NA	AURTTKX02	Use and maintain tools and equipment in an automotive workplace	NA	Updated KE	E
AURVTW101	Carry out manual metal arc welding on components	NA	AURVTWX01	Carry out manual metal arc welding on components	NA	Updated FS	E
AURVTW109	Carry out basic gas metal arc welding	NA	AURVTWX09	Carry out basic gas metal arc welding	NA	Updated FS	E

## Qualifications

Existing AUR 8.0		Draft 1 AUR 9.0			
Code	Title	Code	Title	Change	Equivalence
AUR31220	Certificate III in Mobile Plant Technology	AUR3122X	Certificate III in Mobile Plant Technology	Transitioned to TPOF template. Revised licensing statement. Updated packaging rules - including additional core units, changed specialisation units, updated general elective units and changed importation rules.	E

This qualification includes units with pre-requisites as shown in the following table:

Units in this qualification	Prerequisite units
AURETH102 Service and maintain battery electric vehicles	AURETH101 Depower and reinitialise battery electric vehicles

To be added to the Implementation information

### Unit sequence - Certificate III in Mobile Plant Technology

It is recommended that the Certificate III in Mobile Plant Technology core units be delivered first and in the following sequence.

Sequence	Stage	Unit code and title	Rationale
1	Stage 1 — Foundation	AURASAX02 Follow safe working practices in an automotive workplace	Safety awareness before any hands-on activity; establishes the foundation for safe progression through all subsequent training
2	Stage 1 — Foundation	AURAEA002 Follow environmental and sustainability best practice in an automotive workplace	Pairs naturally with safety as a parallel foundational awareness unit
3	Stage 1 — Foundation	AURTTKX02 Use and maintain tools and equipment in an automotive workplace	The starting point for technical skills; learners need basic tool competence before any practical work
4	Stage 2 — Core technical skills	AURTTK001 Use and maintain measuring equipment in an automotive workplace	Builds on tool use; measuring underpins all diagnostic and service work
5	Stage 2 — Core technical skills	AURETK002 Use and maintain electrical test equipment in an automotive workplace	Introduces electrical safety and test equipment before learners encounter electrical systems in later units
6	Stage 2 — Core technical skills	AURETRX12 Test and repair basic electrical circuits	Applies electrical test equipment knowledge from AURETK002; logical progression into hands-on electrical work
7	Stage 2 — Core technical skills	AURETRX25 Test, charge and replace batteries and jump-start vehicles	Builds on basic electrical circuits; introduces battery-electric system awareness in a practical context

8	Stage 3 — Systems and service	AURTTAX05 Select and use bearings, seals, gaskets, sealants and adhesives	Foundational mechanical knowledge needed before servicing hydraulic or engine systems
9	Stage 3 — Systems and service	AURTTAX06 Inspect and service hydraulic systems	Applies mechanical and servicing knowledge to a core mobile plant system
10	Stage 3 — Systems and service	AURTTAX04 Carry out servicing operations	Integrates tools, measuring, materials and systems knowledge; broad servicing unit that draws on all the above
11	Stage 4 — Diagnostic capability	AURTTAX18 Develop and carry out diagnostic test strategies	Requires competence across preceding units; establishes the systematic diagnostic and escalation decision-making framework applied in subsequent diagnostic units
12	Stage 4 — Diagnostic capability	AURETR132 Diagnose and repair automotive electrical systems	Applies the diagnostic framework to automotive electrical systems; requires foundational electrical knowledge and broader diagnostic capability developed across preceding units