Mobile Plant Technology Draft Summary of Changes

Qualifications

Existing AUR 9.0			Draft 2 AUR 11.0		
Code	**Title**	**Code**	**Title**	**Change**	**Equivalence**
AUR31220	Certificate III in Mobile Plant Technology	AUR3122X	Certificate III in Mobile Plant Technology	Transitioned to TPOF template. Updated packaging rules: • increased the number of core units from 9 to 13 • changed specialisation units • added new Group D: Forklift and EWP Elective Units • updated general elective units • changed unit importation rules.	E

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

Units in this qualification	**Prerequisite unit**
AURETH102 Inspect and maintain battery electric vehicles	AURETH101 Depower and reinitialise battery electric vehicles
AURETH012 Service and maintain electrical components in hybrid electric vehicles	AURETH011 Depower and reinitialise hybrid electric vehicles
AURETH018 Inspect and maintain hydrogen fuel cell system	AURETH101 Depower and reinitialise battery electric vehicles AURETH017 Work safely with hydrogen in automotive workplaces

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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, in the sequence below. This sequence is advisory only; training providers should adjust it as needed depending on the electives selected and the learner context.

Sequence	Stage	Unit code and title	Rationale
1	Stage 1 — Foundation	AURASA102 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	AURTTK102 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	AURETR212 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	AURETR225 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	AURTTA205 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	AURTTE204 Inspect and service engines	Applies mechanical and servicing knowledge to engines

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10	Stage 3 — Systems and service	AURTTA204 Carry out servicing operations	Integrates tools, measuring, materials and systems knowledge; broad servicing unit that draws on all the above
11	Stage 3 — Systems and service	AURTTA106 Inspect and service hydraulic systems	Applies mechanical and servicing knowledge to a core mobile plant system
12	Stage 4 — Diagnostic capability	AURTTA218 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
13	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

Forklift technology electives

To achieve the Certificate III in Mobile Plant Technology (Forklift Technology), the qualification packaging must include all core units, all Group B Forklift units, plus electives.

It is recommended that electives for the Certificate III in Mobile Plant Technology (Forklift Technology) be selected according to engine type — battery electric or internal combustion. Suitable electives are listed in the tables below.

Battery electric

Unit code	Unit title
AURATA002	Read, interpret and apply engineering drawings
AURTTA017	Carry out vehicle safety inspections
AURTTW001	Carry out soft soldering techniques
AURVTW201	Carry out manual metal arc welding on components
AURETR007	Apply knowledge of automotive electrical circuits and wiring systems
AURAFA103	Communicate effectively in an automotive workplace
AURETH101	Depower and reinitialise battery electric vehicles
AURETH102	Inspect and maintain battery electric vehicles*
AURETR110	Repair wiring harnesses and looms

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AURETR011	Install basic ancillary electrical systems and components
AURETR019	Inspect, service and repair AC electric motor drive systems
AURETR121	Diagnose, repair and replace heavy vehicle electronic management, monitoring and tracking systems
AURTTD002	Inspect and service steering systems
AURTTA012	Fabricate and install fluid power hose assemblies
AURETR128	Diagnose and repair instruments and warning systems
AURTTQ001	Inspect and service final drive assemblies

Internal combustion engine

Unit code	Unit title
AURATA002	Read, interpret and apply engineering drawings
AURTTA017	Carry out vehicle safety inspections
AURTTW001	Carry out soft soldering techniques
AURVTW201	Carry out manual metal arc welding on components
AURETR131	Diagnose and repair ignition systems
AURETR007	Apply knowledge of automotive electrical circuits and wiring systems
AURTTL108	Diagnose and repair LPG fuel systems
AURTTD002	Inspect and service steering systems
AURAFA103	Communicate effectively in an automotive workplace
AURTTL007	Inspect and service LPG fuel systems
AURTTX103	Inspect and service automatic transmissions
AURTTX104	Inspect and service hydrostatic transmissions
AURTTQ001	Inspect and service final drive assemblies
AURTTA012	Fabricate and install fluid power hose assemblies
AURETR123	Diagnose and repair spark ignition engine management systems

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Elevating work platform electives

To achieve the Certificate III in Mobile Plant Technology (Elevating Work Platform), the qualification packaging must include all core units, all Group C Elevating Work Platform units, plus electives. It is recommended that electives for the Certificate III in Mobile Plant Technology (Elevating Work Platform) be selected from the electives listed in the table below.

Unit code	Unit title
AURATA002	Read, interpret and apply engineering drawings
AURETR011	Install basic ancillary electrical systems and components
AURTTW001	Carry out soft soldering techniques
AURTTA011	Install hydraulic systems to specified applications
AURTTA009	Carry out mechanical pre-repair operations
AURTTB015	Assemble and fit braking system components
AURVTW103	Carry out advanced gas metal arc welding on vehicle body sections
AURVTW209	Carry out basic gas metal arc welding
AURETR128	Diagnose and repair instruments and warning systems
AURETR230	Diagnose and repair starting systems
AURHTE001	Remove and install heavy vehicle engine assemblies
AURKTA211	Diagnose and repair mobile plant hydraulic systems
AURKTB201	Diagnose and repair mobile plant braking systems
AURKTQ201	Diagnose and repair mobile plant final drive assemblies
AURTTA012	Fabricate and install fluid power hose assemblies
AURTTC001	Inspect and service cooling systems
AURTTF102	Inspect and service diesel fuel injection systems
AURVTW018	Carry out oxyacetylene welding, thermal heating and cutting

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