Australian Government

MEA07 Aeroskills Training Package

Release: 3.0

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Modification History

Version Modification History

Version	Release Date	Comments
3	September 2010	• Qualification added at Certificate IV level and related units of competency included for Armament • Component workshop units and qualifications revised • Sustainability units imported and included in all qualifications as an additional mandatory unit • New units relating to maintenance of small aircraft added • Diploma and Advanced Diplomas of Aviation Maintenance Management revised to include references to new Civil Aviation Safety RegulationsRefer to History for details. **ISC upgrades** • Inclusion of Skill Sets in three categories.All qualifications reformatted to comply with flexibility nomenclature.Corrections to titles of eight units on NTIS (A and B versions where required): MEA124B, MEA125B, MEA131B, MEA136A, MEA137A, MEA138A, MEA143B, MEA233C. • Refer to mapping for corrections.
2	8 April 2009	Qualifications at Certificate III and IV levels and units of competency added for Aircraft Life Support and Furnishing. Units of competency applicable to the CASA B1 and B2 Aircraft Maintenance Engineer Licences and Appendix 1 amended to reflect

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Version	Release Date	Comments
		changes to licence privileges and knowledge requirements. Qualifications affected: MEA40607 MEA50107 MEA50207
Version 1	31 March 2008	Primary release

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Imprint

MEA07 Aeroskills Training Package

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Preliminary Information

Important Note to Users

Training Packages are not static documents; they are amended periodically to reflect the latest industry practices and are version controlled. It is essential that the latest version is always used.

Check the version number before commencing training or assessment

This Training Package is Version - check whether this is the latest version by going to the National Training Information Service (www.ntis.gov.au) and locating information about the Training Package. Alternatively, contact Manufacturing Industry Skills Council at http://www.mskills.com.au to confirm the latest version number.

Explanation of version number conventions

The primary release Training Package is Version 1. When changes are made to a Training Package, sometimes the version number is changed and sometimes it is not, depending on the extent of the change. When a Training Package is reviewed it is considered to be a new Training Package for the purposes of version control, and is Version 1. Do not confuse the version number with the Training Packages national code (which remains the same during its period of endorsement).

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History

History

MEA07 Version 3

The Australian Defence Force (ADF) sought the development of a qualification and units of competency for the maintenance of aircraft egress and armament stores suspension and management systems and system components. To achieve this:

- one specialist technical stream unit was developed from a unit in the Public Safety Training Package
- others were adapted from existing ADF Enterprise Units and added to relevant existing common units and Avionic and Mechanical Technical Stream units to meet the ADF training/employment requirement

The qualification is MEA41210 Certificate IV in Aeroskills (Armament) and the applicable new units of competency are:

- MEA601A Maintain aircraft egress systems
- MEA602A Remove and install aircraft stores management system components
- MEA603A Remove and install aircraft stores suspension systems and components
- MEA604A Inspect, test and troubleshoot aircraft stores management systems and components
- MEA605A Inspect, test and troubleshoot aircraft stores suspension systems and components

The Civil Aviation Safety Authority (CASA) and a representative group of industry stakeholders have developed a proposed licensing structure for the maintenance of small aircraft. As part of this process additional units of competency have been developed that are required to effectively cover small aircraft maintenance needs. While qualifications that will support the licensing system must await final decisions on regulatory requirements, it has been possible to add the new units to existing qualifications at Certificate IV level as additional electives. This will enable training pathways that are applicable to small aircraft maintenance organisations. These units are:

- MEA274A Maintain basic light aircraft electrical systems and components
- MEA275A Maintain basic light aircraft instrument systems and components
- MEA276A Maintain basic aircraft communication and radio navigation systems and components
- MEA277A Maintain twin engine aircraft electrical systems and components
- MEA278A Inspect, test and troubleshoot instrument display systems and components
- MEA279A Inspect, test and troubleshoot full authority digital engine control systems
- MEA280A Inspect, test and troubleshoot flight management systems and components
- MEA281A Maintain light aircraft AC powered instrument systems and components
- MEA289A Maintain basic light aircraft avionic systems and components
- MEA290A Fit avionic modification sheetmetal components
- MEA291A Inspect, test and troubleshoot fixed wing single axis autopilot systems and components

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- MEA351A Maintain airframe systems of basic light fixed wing aircraft
- MEA352A Maintain basic rotary wing aircraft systems
- MEA353A Maintain basic light aircraft engines and propellers
- MEA354A Maintain light aircraft pneumatic systems
- MEA355A Maintain light aircraft air cycle air conditioning systems
- MEA356A Maintain light piston engine aircraft pressurisation systems
- MEA357A Inspect, test and repair aircraft fabric surfaces
- MEA358A Re-cover aircraft fabric surfaces
- MEA359A Inspect and repair aircraft wooden structures
- MEA360A Maintain aircraft diesel engines
- MEA361A Maintain aircraft two stroke petrol engines
- MEA362A Maintain aircraft vapour cycle air conditioning systems
- MEA363A Inspect, repair and maintain structures and related components of non-pressurised small aircraft
- MEA364A Maintain and/or repair small aircraft mechanical components or parts

Avionic and Mechanical Certificate IV Component Workshop training pathways and applicable units of competency have been revised as a follow-on task from the development of MEA07 to overcome identified industry difficulties in attaining existing units and qualifications. The new units are:

- MEA282A Repair or overhaul aircraft pulse system components
- MEA283A Repair or overhaul aircraft display, control and distribution system components
- MEA284A Repair or overhaul aircraft instrument system components
- MEA285A Repair or overhaul aircraft radio frequency communication and navigation system components
- MEA286A Repair or overhaul aircraft electrical/electro-mechanical components
- MEA287A Repair or overhaul aircraft oxygen system components
- MEA288A Repair or overhaul aircraft audio and visual systems and reproducers
- MEA380A Repair and/or overhaul aircraft hydraulic system components
- MEA381A Repair and/or overhaul aircraft pneumatic system components
- MEA382A Repair and/or overhaul aircraft fuel system components
- MEA383A Repair and/or overhaul gas turbine engine air inlet and compressor components and/or modules
- MEA384A Repair and/or overhaul gas turbine engine combustion section components and/or modules
- MEA385A Repair and/or overhaul gas turbine engine turbine and exhaust section components
- MEA386A Repair and/or overhaul gas turbine engine ancillary section components
- MEA387A Test gas turbine engines and engine modules after overhaul or repair
- MEA388A Repair and/or overhaul piston engines
- MEA389A Repair and/or overhaul propellers

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- MEA390A Repair and/or overhaul rotary wing dynamic components
- MEA391A Repair and/or overhaul aircraft mechanical system components

Organisations/individuals consulted during the development of these units and the revised training pathways included:

- ADF
- CASA
- AMROBA
- Airflite
- BAE Systems
- BF Goodrich
- Hawker Pacific
- John Holland Aviation Services
- Pacific Avionics
- Qantas
- Raytheon
- Rosebank Engineering
- Sikorsky Aircraft Australia (Helitech)
- TAE Aviation
- Tenix
- Mr George Faulkner

The Diplomas and Advanced Diplomas of Aviation Maintenance Management have been revised to include in the relevant units references to the forthcoming Civil Aviation Safety Regulation Parts 145 and Part 42 Sub-Part F.

Following stakeholder input and CASA agreement the Diplomas of Aeroskills have had the imported units MEM17001B Assist in development and deliver training in the workplace and MEM17002B Conduct workplace assessment deleted and reference to them has also been deleted from unit MEA113B Supervise civil aircraft maintenance activities and manage human resources in the workplace. The qualifications have had their version code updated as MEA50110 Diploma of Aeroskills (Avionic) and MEA50210 Diploma of Aeroskills (Mechanical) and MEA113B becomes MEA113C.

Other new units of competency and existing units that have undergone significant revision are:

- MEA116A Apply occupational health and safety procedures at supervisor level in aviation maintenance has been revised to cover also Certificate IV training pathways that lead to employment as a supervisor and becomes MEA116B
- MEA145A Conversion from allied trades for employment in aviation maintenance workshops is a new unit for inclusion in specialist Skill Sets that will assist individuals from specified allied trades to attain competencies required for employment in aviation component maintenance workshops
- MEA202B Remove and install basic aircraft electrical system components has been revised to improve application to small aircraft maintenance and becomes MEA202C

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- MEA210B Inspect, test and troubleshoot basic aircraft electrical systems and components has been revised to improve application to small aircraft maintenance and becomes MEA210C
- MEA261B Use electronic test equipment has been revised to improve its applicability to a number of enterprises and the unit becomes MEA261C
- MEA303B has been revised to include environmental regulatory requirements specific to halon fire extinguishers and the unit becomes MEA303C
- MEA365A Assess structural repair/modification requirements and evaluate structural repairs and modifications is a new unit that replaces MEA324B following requests to change the level of NDT coverage in MEA324B. MEM24002B and 24012B have also been deleted.
- MEA366A Perform borescope inspections is a new unit that meets a CASA requirement for the grant of a specific maintenance authority.

A number of existing MEA units have also had their knowledge statements expanded to improve their usability in the General Aviation sector once the Aeroskills Training Package becomes the only avenue to aircraft maintenance engineer licensing. These units have had their version identifier incremented but are fully equivalent to the earlier version of the unit. Information on updated units is contained in the mapping of units in version 3 to units in version 2.

To comply with government directions regarding attainment of competencies in sustainability the following units have been imported:

- MSAENV272B Participate in environmentally sustainable work practices
- MSAENV472B Implement and monitor environmentally sustainable work practices
- MSAENV672B Develop workplace policy and procedures for environmental sustainability

The applicable unit has been added as a mandatory unit to each qualification and this has necessitated a version code update for all qualifications.

Skill Sets

Inclusion of Skill Sets in the following areas

22 Skill Sets aimed at the preparation of individuals with allied trade qualifications for employment within aviation component workshops

55 Skill Sets that specify CASA requirements for the removal of exclusions from B1 and B2 licences

3 Skill Sets that specify CASA requirements for the grant of specific authorities by CASR Part 145 and 42F MROs

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Summary of AQF qualifications in this Training Package

Qualification Code	Title
MEA20410	Certificate II in Aeroskills
MEA20510	Certificate II in Aircraft Line Maintenance
MEA20610	Certificate II in Aircraft Surface Finishing
MEA30110	Certificate III in Aircraft Surface Finishing
MEA30310	Certificate III in Aircraft Life Support and Furnishing
MEA40610	Certificate IV in Aeroskills (Avionics)
MEA40710	Certificate IV in Aeroskills (Mechanical)
MEA40810	Certificate IV in Aeroskills (Structures)
MEA40910	Certificate IV in Aircraft Surface Finishing
MEA41110	Certificate IV in Aircraft Life Support and Furnishing
MEA41210	Certificate IV in Aeroskills (Armament)
MEA50110	Diploma of Aeroskills (Avionics)
MEA50210	Diploma of Aeroskills (Mechanical)
MEA50310	Diploma of Aviation Maintenance Management (Avionics)
MEA50410	Diploma of Aviation Maintenance Management (Mechanical)
MEA60110	Advanced Diploma of Aviation Maintenance Management (Avionics)
MEA60210	Advanced Diploma of Aviation Maintenance Management (Mechanical)

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Units of competency in this Training Package and their prerequisites

Code	Title	Prerequisite
MEA101B	Interpret occupational health and safety practices in aviation maintenance	None
MEA103B	Plan and organise aviation maintenance work activities	(MEA101B MEA105B MEA107B MEA108B)
MEA105B	Apply quality standards applicable to aviation maintenance processes	(MEA101B MEA107B)
MEA107B	Interpret and use aviation maintenance industry manuals and specifications	None
MEA108B	Complete aviation maintenance industry documentation	MEA105B
MEA109B	Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance	(MEA105B MEA108B)
MEA111B	Perform administrative processes to prepare for certification of civil aircraft maintenance	None
MEA112B	Plan and implement civil aircraft maintenance activities	None
MEA113C	Supervise civil aircraft maintenance activities and manage human resources in the workplace	None
MEA114A	Certify aeronautical product maintenance	None
MEA115A	Plan and implement aeronautical product maintenance activities	None
MEA116B	Apply occupational health and safety procedures at supervisor level in aviation maintenance	None
MEA117A	Apply self in the aviation maintenance	None

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	environment	
MEA118A	Conduct self in the aviation maintenance environment	None
MEA119A	Perform administrative processes to prepare for certification of civil aircraft A level line maintenance	None
MEA120B	Manage an aviation maintenance quality system	None
MEA121B	Manage aircraft/aeronautical product configuration	None
MEA122B	Manage aircraft/equipment system performance testing	MEA126B
MEA123B	Manage work environment policy and practices	None
MEA124B	Coordinate change programs in the aviation maintenance environment	None
MEA125B	Develop aviation maintenance personnel	None
MEA126B	Manage aircraft maintenance activities	None
MEA127B	Provide technical advice in the maintenance and management of aircraft and aeronautical product	(MEA349A MEA350A) OR (MEA272A MEA273A)
MEA128B	Provide engineering advice in the modification, maintenance and management of aircraft systems	(MEA349A MEA350A) OR (MEA272A MEA273A)
MEA129A	Investigate technical aspects of aviation occurrences	None
MEA130A	Manage deployed/detached aviation maintenance activities	None
MEA131B	Manage the custody, transfer and disposal of aircraft, aeronautical product and support equipment	None
MEA132A	Manage budgetary resources in the	None

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	aviation maintenance environment	
MEA133B	Communicate aviation technical and maintenance management knowledge	None
MEA134B	Establish, maintain and evaluate the organisation's occupational health and safety system	None
MEA135A	Use computers in aviation maintenance-related integrated logistic support activities	None
MEA136A	Assess aviation maintenance spares and manage repairable items	MEA135A
MEA137A	Write aviation technical publications	MEA135A
MEA138B	Perform aviation technical publication management activities	MEA137A
MEA139A	Perform aviation maintenance - related integrated logistic support management activities	None
MEA140A	Supervise aviation maintenance teams and perform maintenance quality inspections	None
MEA141B	Manage risk in aviation maintenance	None
MEA142B	Manage self in the aviation maintenance environment	None
MEA143B	Develop and manage maintenance error management programs	None
MEA145A	Conversion from allied trades for employment in aviation maintenance workshops	None
MEA201B	Remove and install miscellaneous aircraft electrical hardware/components	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA202C	Remove and install basic aircraft electrical system components	MEA201B
MEA203C	Remove and install advanced aircraft	MEA201B

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	electrical system components	
MEA204C	Remove and install basic aircraft instrument system components	MEA201B
MEA205C	Remove and install advanced aircraft instrument system components	MEA201B
MEA206C	Remove and install aircraft basic radio communication and navigation system components	MEA201B
MEA207C	Remove and install aircraft electronic system components	MEA201B
MEA208C	Remove and install aircraft pressurisation control system components	MEA201B
MEA209C	Remove and install aircraft oxygen system components	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA210C	Inspect, test and troubleshoot basic aircraft electrical systems and components	(MEA202C MEA246C)
MEA211C	Inspect, test and troubleshoot advanced aircraft electrical systems and components	(MEA203C MEA246C)
MEA212C	Inspect, test and troubleshoot basic aircraft instrument systems and components	(MEA204C MEA246C)
MEA213C	Inspect, test and troubleshoot advanced aircraft instrument systems	(MEA205C MEA246C)
MEA214C	Inspect, test and troubleshoot aircraft basic communication and radio navigation systems and components	(MEA206C MEA246C)
MEA215C	Inspect, test and troubleshoot advanced aircraft communications systems and components	(MEA206C MEA246C)
MEA216C	Inspect, test and troubleshoot instrument landing systems and components	(MEA206C MEA207C MEA246C)

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MEA217C	Inspect, test and troubleshoot fixed wing autopilot systems and components	(MEA207C MEA246C)
MEA218C	Inspect, test and troubleshoot rotary wing autopilot systems and components	(MEA207C MEA246C)
MEA219C	Inspect, test and troubleshoot aircraft pressurisation control systems and components	(MEA208C MEA246C)
MEA220C	Inspect, test and troubleshoot aircraft primary radar systems and components	(MEA207C MEA246C)
MEA221C	Inspect, test and troubleshoot aircraft secondary radar systems and components	(MEA207C MEA246C)
MEA222C	Inspect, test and troubleshoot aircraft oxygen systems and components	None
MEA223C	Inspect aircraft electrical systems and components	MEA246C
MEA224B	Inspect aircraft instrument systems and components	MEA246C
MEA225B	Inspect fixed wing aircraft automatic flight control systems and components	(MEA207C MEA246C)
MEA226C	Inspect aircraft electronic systems and components	MEA246C
MEA227C	Test and troubleshoot aircraft electrical systems and components	None
MEA228C	Test and troubleshoot aircraft instrument systems and components	None
MEA229C	Test and troubleshoot aircraft radio frequency navigation and communications systems and components	MEA226C
MEA230B	Test and troubleshoot fixed wing aircraft automatic flight control systems and components	MEA246C
MEA231B	Inspect, test and troubleshoot rotary	(MEA207C MEA246C)

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	wing aircraft automatic flight control systems and components	
MEA232B	Test and troubleshoot aircraft pulse systems and components	(MEA226C MEA246C)
MEA233C	Inspect, test and troubleshoot aircraft inertial navigation and reference systems and components	(MEA207C MEA246C)
MEA234C	Inspect, test and troubleshoot aircraft global navigation systems and components	(MEA206C MEA207C MEA246C)
MEA235B	Perform advanced troubleshooting in aircraft avionic maintenance	None
MEA238B	Perform routine removal and installation of miscellaneous aircraft electrical hardware/components	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA239B	Fabricate aircraft electrical looms and harnesses	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA240B	Use electrical test equipment to perform basic electrical tests	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA241B	Perform aircraft weight and balance calculations as a result of modifications	None
MEA246C	Fabricate and/or repair aircraft electrical hardware or parts	(MEA201B MEA260B)
MEA252B	Test, align and troubleshoot aircraft synchro and servo system components	(MEA201B MEA260B MEA261C)
MEA260B	Use electrical test equipment	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA261C	Use electronic test equipment	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA262B	Modify/repair aircraft component single layer printed circuit boards	(MEA260B MEA261C)
MEA263B	Modify/repair aircraft component multi-layer printed circuit boards	(MEA260B MEA261C)

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MEA264A	Remove and install aircraft electrical/avionic components during line maintenance	MEA265A
MEA265A	Remove and install general aircraft electrical hardware	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA270A	Lay out avionic systems	(MEA101B MEA107B MEA109B)
MEA271A	Lay out avionic flight management systems	(MEA101B MEA107B MEA109B MEA270A)
MEA272A	Apply basic scientific principles and techniques in avionic engineering situations	None
MEA273A	Select and test avionic engineering materials	None
MEA274A	Maintain basic light aircraft electrical systems and components	MEA246C
MEA275A	Maintain basic light aircraft instrument systems and components	MEA246C
MEA276A	Maintain basic aircraft communication and radio navigation systems and components	MEA246C
MEA277A	Maintain twin engine aircraft electrical systems and components	None
MEA278A	Inspect, test and troubleshoot instrument display systems and components	MEA246C
MEA279A	Inspect, test and troubleshoot full authority digital engine control systems	MEA246C
MEA280A	Inspect, test and troubleshoot flight management systems and components	MEA246C
MEA281A	Maintain light aircraft AC powered instrument systems and components	MEA246C
MEA282A	Repair or overhaul aircraft pulse system components	None

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MEA283A	Repair or overhaul aircraft display, control and distribution system components	None
MEA284A	Repair or overhaul aircraft instrument system components	None
MEA285A	Repair or overhaul aircraft radio frequency communication and navigation system components	None
MEA286A	Repair or overhaul aircraft electrical/electro-mechanical components	None
MEA287A	Repair or overhaul aircraft oxygen system components	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA288A	Repair or overhaul aircraft audio and visual systems and reproducers	None
MEA289A	Maintain basic light aircraft avionic systems and components	MEA246C
MEA290A	Fit avionic modification sheetmetal components	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA291A	Inspect, test and troubleshoot fixed wing single axis autopilot systems and components	(MEA207C MEA246C)
MEA301C	Perform aircraft flight servicing	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA302C	Remove and install aircraft hydro-mechanical and landing gear system components	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA303C	Remove and install aircraft pneumatic system components	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA304C	Remove and install non-pressurised aircraft structural and non-structural components	MEA302C
MEA305C	Remove and install aircraft fixed wing flight control system components	MEA302C

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MEA306C	Remove and install engines and engine system components	MEA302C
MEA307C	Remove and install propeller systems and components	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA308C	Remove and install rotary wing rotor and flight control system components	MEA302C
MEA309C	Inspect, test and troubleshoot aircraft hydro-mechanical and landing gear systems and components	MEA302C
MEA310C	Inspect, test and troubleshoot aircraft pneumatic systems and components	MEA303C
MEA311C	Inspect and repair/modify aircraft structures	(MEA304C OR MEA317C)
MEA312C	Inspect, test and troubleshoot aircraft fixed wing flight control systems and components	MEA305C
MEA313C	Inspect, test and troubleshoot piston engine systems and components	MEA306C
MEA314C	Inspect, test and troubleshoot gas turbine engine systems and components	MEA306C
MEA315C	Inspect, test and troubleshoot propeller systems and components	MEA307C
MEA316C	Inspect, test and troubleshoot rotary wing rotor and control systems and components	MEA308C
MEA317C	Remove and install pressurised aircraft structural and non-structural components	(MEA302C MEA303C)
MEA318B	Inspect aircraft hydro-mechanical, mechanical, gaseous and landing gear systems and components	(MEA302C MEA303C MEA305C)
MEA319B	Inspect gas turbine engine systems and components	MEA306C
MEA320B	Test and troubleshoot aircraft	MEA318B

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	hydro-mechanical, mechanical, gaseous and landing gear systems and components	
MEA321B	Test and troubleshoot aircraft fixed wing flight control systems and components	MEA318B
MEA322B	Test and troubleshoot gas turbine engine systems and components	MEA319B
MEA323B	Perform advanced troubleshooting in aircraft mechanical maintenance	None
MEA325B	Weigh aircraft and perform aircraft weight and balance calculations as a result of modifications	None
MEA327B	Fabricate and/or repair aircraft mechanical components or parts	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA328C	Maintain and/or repair aircraft mechanical components or parts	(MEA302C MEA303C)
MEA329B	Dismantle, inspect, maintain and assemble aircraft basic hydraulic and pneumatic components or parts	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA330B	Dismantle, inspect, maintain and assemble aircraft non-primary structural removable components or parts and internal fittings	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA331B	Dismantle, inspect, maintain and assemble aircraft gas turbine engine components or parts	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA332B	Dismantle, inspect, maintain and assemble aircraft mechanical components or parts	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA333B	Dismantle, inspect, maintain and assemble aircraft piston engine components or parts	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA339B	Inspect, repair and maintain aircraft structures	(MEA304C

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		OR MEA317C)
MEA340A	Lay out and set up aircraft systems	(MEA101B MEA107B MEA109B)
MEA341A	Apply basic aircraft design characteristics	(MEA101A MEA107A MEA109A)
MEA342A	Apply basic aircraft power plant design characteristics	(MEA101B MEA107B MEA109B)
MEA343B	Remove and install avionic system components	(MEA227C OR MEA211C)
MEA344A	Remove and install aircraft components	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA345A	Perform scheduled line maintenance activities on gas turbine engine fixed wing aircraft	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA346A	Perform scheduled line maintenance activities on gas turbine engine rotary wing aircraft	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA347A	Perform scheduled line maintenance activities on piston engine fixed wing aircraft	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA348A	Perform scheduled line maintenance activities on piston engine rotary wing aircraft	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA349A	Apply basic scientific principles and techniques in aeronautical engineering situations	None
MEA350A	Select and test aeronautical engineering materials	None
MEA351A	Maintain airframe systems of basic light fixed wing aircraft	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA352A	Maintain basic rotary wing aircraft systems	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA353A	Maintain basic light aircraft engines and propellers	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)

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MEA354A	Maintain light aircraft pneumatic systems	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA355A	Maintain light aircraft air cycle air conditioning systems	(MEA201B MEA246C)
MEA356A	Maintain light piston engine aircraft pressurisation systems	(MEA201B MEA246C)
MEA357A	Inspect, test and repair aircraft fabric surfaces	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA358A	Re-cover aircraft fabric surfaces	None
MEA359A	Inspect and repair aircraft wooden structures	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA360A	Maintain aircraft diesel engines	None
MEA361A	Maintain aircraft two stroke petrol engines	None
MEA362A	Maintain aircraft vapour cycle air conditioning systems	(MEA201B MEA246C)
MEA363A	Inspect, repair and maintain structures and related components of non-pressurised small aircraft	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA364A	Maintain and/or repair small aircraft mechanical components or parts	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA365A	Assess structural repair/modification requirements and evaluate structural repairs and modifications	None
MEA366A	Perform borescope inspections	(MEA322B OR MEA313C OR MEA314C OR MEA387A OR MEA388A)
MEA380A	Repair and/or overhaul aircraft hydraulic system components	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA381A	Repair and/or overhaul aircraft pneumatic system components	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA382A	Repair and/or overhaul aircraft fuel system components	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)

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MEA383A	Repair and/or overhaul gas turbine engine air inlet and compressor components and/or modules	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA384A	Repair and/or overhaul gas turbine engine combustion section components and/or modules	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA385A	Repair and/or overhaul gas turbine engine turbine and exhaust section components	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA386A	Repair and/or overhaul gas turbine engine ancillary section components	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA387A	Test gas turbine engines and engine modules after overhaul or repair	(MEA383A MEA384A MEA385A MEA386A)
MEA388A	Repair and/or overhaul piston engines	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA389A	Repair and/or overhaul propellers	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA390A	Repair and/or overhaul rotary wing dynamic components	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA391A	Repair and/or overhaul aircraft mechanical system components	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA401B	Inspect aircraft structures	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA402B	Fabricate aircraft structural components	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA403B	Repair/modify aircraft structure	(MEA401B MEA402B)
MEA404B	Disassemble and reassemble aircraft structure for major repair or modification	MEA403B
MEA405B	Repair/modify aircraft composite material structure/components	MEA401B
MEA406B	Repair/modify aircraft non-primary structural sheetmetal components	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)

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MEA407B	Repair/modify aircraft non-primary structural non-metallic components	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA410B	Maintain aircraft structure/components	MEA401B
MEA411A	Remove surface coatings from aircraft or aircraft components	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA412A	Pre-treat aluminium alloy surfaces	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA413A	Seal aircraft and aircraft component structural seams	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA414A	Remove light corrosion from aircraft	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA415A	Paint aircraft surfaces	(AURV329603DA AURV229749A MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA416A	Apply aircraft identification markings, graphics and decals	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA417A	Apply specialty coatings to aircraft	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA418A	Perform basic repair of aircraft internal fittings during line maintenance	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA419A	Inspect and repair/modify aircraft cabin/cockpit non-primary structure components	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA501A	Maintain and fit anti-G suits	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B LMFSF2002B MEA511A)
MEA502A	Maintain and fit helmets	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA503A	Maintain and fit immersion suits	(LMTTF2008A MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA504A	Maintain and fit oxygen masks	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)

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MEA505A	Maintain and pack parachutes	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B LMFSF2002B MEA511A)
MEA506A	Maintain and pack survival inflatable life rafts and escape slides	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA507A	Maintain, pack and fit survival inflatable buoyancy vests	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA508A	Maintain, install and remove restraint systems	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B LMFSF2002B MEA511A)
MEA509A	Manufacture, repair and alter aircraft related fabric components	(MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B LMFSF2002B MEA511A)
MEA510A	Maintain seat and pod electrical and electronic systems	None
MEA511A	Operate and maintain sewing machines and overlockers	None
MEA601A	Maintain aircraft egress systems	(PUADEFEO101 MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA602A	Remove and install aircraft stores management system components	(PUADEFEO101 MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA603A	Remove and install aircraft stores suspension systems and components	(PUADEFEO101 MEA101B MEA103B MEA105B MEA107B MEA108B MEA109B)
MEA604A	Inspect, test and troubleshoot aircraft stores management systems and components	MEA602A
MEA605A	Inspect, test and troubleshoot aircraft stores suspension systems and components	MEA603A

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Imported units of competency in this Training Package

Code	Title	Origin
AURV229749A	Prepare spray painting materials and equipment	AUR05
AURV231208A	Carry out trimming of vehicle components	AUR05
AURV231268A	Select and apply trim/fabric materials and determine attachment methods	AUR05
AURV231368A	Select and apply trim/fabric adhesives	AUR05
AURV329603DA	Apply air dry and polyurethane enamel refinishing materials	AUR05
BSBMGT503A	Prepare budgets and financial plans	BSB01
BSBMGT504A	Manage budgets and financial plans	BSB01
LMFSF2001B	Cut single layer fabrics	LMF02
LMFSF2002B	Machine sew materials	LMF02
LMFUP3012B	Apply marine sewing and installation techniques	LMF02
LMTTF2008A	Use adhesives	LMT07
MEM08013B	Prepare surfaces by abrasive blasting (advanced)	MEM05
MEM12001B	Use comparison and basic measuring devices	MEM05
MEM30007A	Select common engineering materials	MEM05
MEM30012A	Apply mathematical techniques in a manufacturing engineering or related environment	MEM05
MSAENV272B	Participate in environmentally sustainable work practices	MSA07
MSAENV472B	Implement and monitor environmentally sustainable work practices	MSA07
MSAENV672B	Develop workplace policy and procedures for environmental sustainability	MSA07
PSPMNGT610A	Manage public sector financial resources	PSP04
PUADEFEO101B	Work safely with explosive ordnance	TBA

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PUADEFEO501B	Conduct explosive ordnance inspection	TBA

Mapping to Previous Training Package

Mapping to Previous Training Package

Mapping of Units of Competency

MEA07v3 - Corrections to errors in unit titles on NTIS

Note that A or B versions have been corrected where required.

	Error		**Correct title**
MEA124B	Coordinate change programs	MEA124B	Coordinate change programs in the aviation maintenance environment
MEA125B	Develop personnel	MEA125B	Develop aviation maintenance personnel
MEA131B	Manage the custody of aircraft, aeronautical product and support equipment	MEA131B	Manage the custody, transfer and disposal of aircraft, aeronautical product and support equipment
MEA136A	Assess aviation m1aintenance spares and manage repairable items	MEA136A	Assess aviation maintenance spares and manage repairable items
MEA137A	Write aviation tech1nical publications	MEA137A	Write aviation technical publications
MEA138A	Perform aviation tec1hnical publication management activities	MEA138A	Perform aviation technical publication management activities
MEA143B	Develop and manage civil aircraft maintenance error management programs	MEA143A	Develop and manage maintenance error management programs
MEA233B	Inspect, test and troubleshoot inertial	MEA233B	Inspect, test and troubleshoot aircraft inertial navigation

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	navigation and reference systems and components		and reference systems and components

Mapping of MEA07v3 to MEA07v2, with prerequisite requirements

MEA07v3 Unit Code and title	MEA07v2 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
Package-specific units			
MEA101B Interpret occupational health and safety practices in aviation maintenance		Unchanged	Nil
MEA103B Plan and organise aviation maintenance work activities		Unchanged	MEA101B, 105B, 107B, 108B
MEA105B Apply quality standards applicable to aviation maintenance processes		Unchanged	MEA101B, 107B
MEA107B Interpret and use aviation maintenance industry manuals and specifications		Unchanged	Nil
MEA108B Complete aviation maintenance industry documentation		Unchanged	MEA105B
MEA109B Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance		Unchanged	MEA105B, 108B
MEA111B Perform administrative processes to prepare for certification of civil aircraft maintenance		Unchanged	All Certificate IV in Aeroskills (Avionics) or (Mechanical) units applicable to the CASA B1 or B2 Licence

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MEA07v3 Unit Code and title	**MEA07v2 Unit Code and title**	**Relationship to previous version**	**Prerequisite / Corequisite units (Check unit for details)**
MEA112B Plan and implement civil aircraft maintenance activities		Unchanged	All Certificate IV in Aeroskills (Avionics) or (Mechanical) units applicable to the CASA B1 or B2 Licence
MEA113C Supervise civil aircraft maintenance activities and manage human resources in the workplace	MEA113B Supervise civil aircraft maintenance activities and manage human resources in the workplace	Reference to MEM17001B and 17002B deleted	All Certificate IV in Aeroskills (Avionics) or (Mechanical) units applicable to the CASA B1 or B2 Licence
MEA114A Certify aeronautical product maintenance		Unchanged	Nil
MEA115A Plan and implement aeronautical product maintenance activities		Unchanged	Nil
MEA116B Apply occupational health and safety procedures at supervisor level in aviation maintenance	MEA116A Apply occupational health and safety procedures at supervisor level in aviation maintenance	Descriptor and Range Statement revised to also include Certificate IV training pathways that lead to employment as a supervisor – units are equivalent	Nil
MEA117A Apply self in the aviation maintenance environment		Unchanged	Nil
MEA118A Conduct self in the aviation maintenance environment		Unchanged	Nil

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MEA07v3 Unit Code and title	**MEA07v2 Unit Code and title**	**Relationship to previous version**	**Prerequisite / Corequisite units (Check unit for details)**
MEA119A Perform administrative processes to prepare for certification of civil aircraft A level line maintenance		Unchanged	All Certificate II in Aircraft Line Maintenance units applicable to the CASA A Licence
MEA120B Manage an aviation maintenance quality system	MEA120A Manage an aviation maintenance quality system	References to Civil Aviation Safety Regulations updated Units are equivalent	Nil
MEA121B Manage aircraft/aeronautical product configuration	MEA121A Manage aircraft/aeronautical product configuration	References to Civil Aviation Safety Regulations updated Units are equivalent	Nil
MEA122B Manage aircraft/equipment system performance testing	MEA122A Manage aircraft/equipment system performance testing	References to Civil Aviation Safety Regulations updated Units are equivalent	MEA126B
MEA123B Manage aviation maintenance work environment policy and practices	MEA123A Manage aviation maintenance work environment policy and practices	References to Civil Aviation Safety Regulations updated Units are equivalent	Nil
MEA124B Coordinate change programs in the aviation maintenance environment	MEA124A Coordinate change programs in the	References to Civil Aviation Safety	Nil

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MEA07v3 Unit Code and title	MEA07v2 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
	aviation maintenance environment	Regulations updated Units are equivalent	
MEA125B Develop aviation maintenance personnel	MEA125A Develop aviation maintenance personnel	References to Civil Aviation Safety Regulations updated Units are equivalent	Nil
MEA126B Manage aircraft maintenance activities	MEA126A Manage aircraft maintenance activities	References to Civil Aviation Safety Regulations updated Units are equivalent	Nil
MEA127B Provide technical advice in the maintenance and management of aircraft and aeronautical product	MEA127A Provide technical advice in the maintenance and management of aircraft and aeronautical product	References to Civil Aviation Safety Regulations updated Units are equivalent	MEA349A, MEA350A Or MEA272A, MEA273A
MEA128B Provide engineering advice in the modification, maintenance and management of aircraft systems	MEA128A Provide engineering advice in the modification, maintenance and management of aircraft systems	Engineering knowledge requirements expanded Units are equivalent	MEA349A, MEA350A Or MEA272A, MEA273A
MEA129A Investigate technical aspects of aviation occurrences		Unchanged	Nil
MEA130A Manage deployed/detached aviation		Unchanged	Nil

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MEA07v3 Unit Code and title	MEA07v2 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
maintenance activities			
MEA131B Manage the custody, transfer and disposal of aircraft, aeronautical product and support equipment	MEA131A Manage the custody, transfer and disposal of aircraft, aeronautical product and support equipment	References to Civil Aviation Safety Regulations updated Units are equivalent	Nil
MEA132A Manage budgetary resources in the aviation maintenance environment		Unchanged	Nil
MEA133B Communicate aviation technical and maintenance management knowledge	MEA133A Communicate aviation technical and maintenance management knowledge	References to Civil Aviation Safety Regulations updated Units are equivalent	Nil
MEA134B Establish, maintain and evaluate the organisation's occupational health and safety system	MEA134A Establish, maintain and evaluate the organisation's occupational health and safety system	References to Civil Aviation Safety Regulations updated Units are equivalent	Nil
MEA135A Use computers in aviation maintenance-related integrated logistic support activities		Unchanged	Nil
MEA136A Assess aviation maintenance spares and manage repairable items		Unchanged	MEA135A
MEA137A Write aviation technical publications		Unchanged	MEA135A

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MEA07v3 Unit Code and title	MEA07v2 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
MEA138B Perform aviation technical publication management activities	MEA138A Perform aviation technical publication management activities	References to Civil Aviation Safety Regulations updated Units are equivalent	MEA137A
MEA139A Perform aviation maintenance – related integrated logistic support management activities		Unchanged	Nil
MEA140A Supervise aviation maintenance teams and perform maintenance quality inspections		Unchanged	Maintenance Quality Inspector or Independent Inspector in the ADF Regulatory environment
MEA141B Manage risk in aviation maintenance	MEA141A Manage risk in aviation maintenance	References to Civil Aviation Safety Regulations updated Units are equivalent	Nil
MEA142B Manage self in the aviation maintenance environment	MEA142A Manage self in the aviation maintenance environment	References to Civil Aviation Safety Regulations updated Units are equivalent	Nil
MEA143B Develop and manage maintenance error management programs	MEA143A Develop and manage maintenance error management programs	References to Civil Aviation Safety Regulations updated	Nil

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MEA07v3 Unit Code and title	**MEA07v2 Unit Code and title**	**Relationship to previous version**	**Prerequisite / Corequisite units (Check unit for details)**
		Units are equivalent	
MEA145A Conversion from allied trades for employment in aviation maintenance workshops		New Unit	MEA108B
MEA201B Remove and install miscellaneous aircraft electrical hardware/components		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA202C Remove and install basic aircraft electrical system components	MEA202B Remove and install basic aircraft electrical system components	Range Statement and knowledge required revised to include gas turbine ignition and starting systems	MEA201B
MEA203C Remove and install advanced aircraft electrical system components	MEA203B Remove and install advanced aircraft electrical system components	Knowledge statements expanded to improve usability in General Aviation Units are equivalent	MEA201B
MEA204C Remove and install basic aircraft instrument system components	MEA204B Remove and install basic aircraft instrument system components	Knowledge statements expanded to improve usability in General Aviation Units are equivalent	MEA201B
MEA205C Remove and install advanced aircraft instrument system	MEA205B Remove and install advanced aircraft instrument	Knowledge statements expanded to improve usability	MEA201B

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MEA07v3 Unit Code and title	**MEA07v2 Unit Code and title**	**Relationship to previous version**	**Prerequisite / Corequisite units (Check unit for details)**
components	system components	in General Aviation Units are equivalent	
MEA206C Remove and install aircraft basic radio communication and navigation system components	MEA206B Remove and install aircraft basic radio communication and navigation system components	Knowledge statements expanded to improve usability in General Aviation Units are equivalent	MEA201B
MEA207C Remove and install aircraft electronic system components	MEA207B Remove and install aircraft electronic system components	Knowledge statements expanded to improve usability in General Aviation Units are equivalent	MEA201B
MEA208C Remove and install aircraft pressurisation control system components	MEA208B Remove and install aircraft pressurisation control system components	Knowledge statements expanded to improve usability in General Aviation Units are equivalent	MEA201B
MEA209C Remove and install aircraft oxygen system components	MEA209B Remove and install aircraft oxygen system components	Knowledge statements expanded to improve usability in General Aviation Units are equivalent	MEA101B, 103B, 105B, 107B, 108B, 109B

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MEA07v3 Unit Code and title	MEA07v2 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
MEA210C Inspect, test and troubleshoot basic aircraft electrical systems and components	MEA210B Inspect, test and troubleshoot basic aircraft electrical systems and components	Range Statement and knowledge required revised to include gas turbine ignition and starting systems	MEA202C, 246C
MEA211C Inspect, test and troubleshoot advanced aircraft electrical systems and components	MEA211B Inspect, test and troubleshoot advanced aircraft electrical systems and components	Knowledge statements expanded to improve usability in General Aviation Units are equivalent	MEA203C, 246C
MEA212C Inspect, test and troubleshoot basic aircraft instrument systems and components	MEA212B Inspect, test and troubleshoot basic aircraft instrument systems and components	Knowledge statements expanded to improve usability in General Aviation Units are equivalent	MEA204C, 246C
MEA213C Inspect, test and troubleshoot advanced aircraft instrument systems	MEA213B Inspect, test and troubleshoot advanced aircraft instrument systems	Knowledge statements expanded to improve usability in General Aviation Units are equivalent	MEA205C, 246C
MEA214C Inspect, test and troubleshoot aircraft basic communication and radio navigation systems and components	MEA214B Inspect, test and troubleshoot aircraft basic communication and radio navigation systems and	Knowledge statements expanded to improve usability in General Aviation	MEA206C, 246C

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MEA07v3 Unit Code and title	MEA07v2 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
	components	Units are equivalent	
MEA215C Inspect, test and troubleshoot advanced aircraft communications systems and components	MEA215B Inspect, test and troubleshoot advanced aircraft communications systems and components	Knowledge statements expanded to improve usability in General Aviation Units are equivalent	MEA206C, 246C
MEA216C Inspect, test and troubleshoot instrument landing systems and components	MEA216B Inspect, test and troubleshoot instrument landing systems and components	Knowledge statements expanded to improve usability in General Aviation Units are equivalent	MEA206C, 207C, 246C
MEA217C Inspect, test and troubleshoot fixed wing autopilot systems and components	MEA217B Inspect, test and troubleshoot fixed wing autopilot systems and components	Knowledge statements expanded to improve usability in General Aviation Units are equivalent	MEA207C, 246C
MEA218C Inspect, test and troubleshoot rotary wing autopilot systems and components	MEA218B Inspect, test and troubleshoot rotary wing autopilot systems and components	Knowledge statements expanded to improve usability in General Aviation Units are equivalent	MEA207C, 246C
MEA219C Inspect, test and troubleshoot aircraft pressurisation control systems	MEA219B Inspect, test and troubleshoot aircraft	Knowledge statements expanded to	MEA208C, 246C

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MEA07v3 Unit Code and title	**MEA07v2 Unit Code and title**	**Relationship to previous version**	**Prerequisite / Corequisite units (Check unit for details)**
and components	pressurisation control systems and components	improve usability in General Aviation Units are equivalent	
MEA220C Inspect, test and troubleshoot aircraft primary radar systems and components	MEA220B Inspect, test and troubleshoot aircraft primary radar systems and components	Knowledge statements expanded to improve usability in General Aviation Units are equivalent	MEA207C, 246C
MEA221C Inspect, test and troubleshoot aircraft secondary radar systems and components	MEA221B Inspect, test and troubleshoot aircraft secondary radar systems and components	Knowledge statements expanded to improve usability in General Aviation Units are equivalent	MEA207C, 246C
MEA222C Inspect, test and troubleshoot aircraft oxygen systems and components	MEA222B Inspect, test and troubleshoot aircraft oxygen systems and components	Knowledge statements expanded to improve usability in General Aviation Units are equivalent	MEA209C
MEA223C Inspect aircraft electrical systems and components		Unchanged	MEA203C, 246C
MEA224B Inspect aircraft instrument systems and components		Unchanged	MEA205C, 246C
MEA225B Inspect fixed wing		Unchanged	MEA207C, 246C

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MEA07v3 Unit Code and title	MEA07v2 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
aircraft automatic flight control systems and components			
MEA226C Inspect aircraft electronic systems and components		Unchanged	MEA207C, 246C
MEA227C Test and troubleshoot aircraft electrical systems and components		Unchanged	MEA223C, 246C
MEA228C Test and troubleshoot aircraft instrument systems and components		Unchanged	MEA224B, 226C
MEA229C Test and troubleshoot aircraft radio frequency navigation and communications systems and components		Unchanged	MEA226C, 246C
MEA230B Test and troubleshoot fixed wing aircraft automatic flight control systems and components		Unchanged	MEA225B
MEA231B Inspect, test and troubleshoot rotary wing aircraft automatic flight control systems and components		Unchanged	MEA207C, 246C
MEA232B Test and troubleshoot aircraft pulse systems and components		Unchanged	MEA226C
MEA233C Inspect, test and troubleshoot aircraft inertial navigation and reference systems and components	MEA233B Inspect, test and troubleshoot aircraft inertial navigation and reference systems	Knowledge statements expanded to improve usability in General	MEA207C, 246C

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MEA07v3 Unit Code and title	**MEA07v2 Unit Code and title**	**Relationship to previous version**	**Prerequisite / Corequisite units (Check unit for details)**
	and components	Aviation	
MEA234C Inspect, test and troubleshoot aircraft global navigation systems and components	MEA234B Inspect, test and troubleshoot aircraft global navigation systems and components	Knowledge statements expanded to improve usability in General Aviation	MEA206C, 207C, 246C
MEA235B Perform advanced troubleshooting in aircraft avionic maintenance		Unchanged	All Certificate IV in Aeroskills (Avionics) or (Mechanical) units applicable to the CASA B2 Licence
MEA238B Perform routine removal and installation of miscellaneous aircraft electrical hardware/components		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA239B Fabricate aircraft electrical looms and harnesses		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B, 240B
MEA240B Use electrical test equipment to perform basic electrical tests		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA241B Perform aircraft weight and balance calculations as a result of modifications		Unchanged	All Certificate IV in Aeroskills (Avionics) or (Mechanical) units applicable to the CASA B2 Licence
MEA246C Fabricate and/or repair aircraft electrical hardware or parts	MEA246B Fabricate and/or repair aircraft electrical hardware or parts	Knowledge statements expanded to improve usability in General Aviation	MEA201B, 260B

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MEA07v3 Unit Code and title	MEA07v2 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
		Units are equivalent	
MEA252B Test, align and troubleshoot aircraft synchro and servo system components		Unchanged	MEA201B, 260B, 261C
MEA260B Use electrical test equipment		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA261C Use electronic test equipment	MEA261B Use electronic test equipment	Range Statement revised to improve industry application of unit Units are equivalent	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA262B Modify/repair aircraft component single layer printed circuit boards		Unchanged	MEA260B, 261B
MEA263B Modify/repair aircraft component multi-layer printed circuit boards		Unchanged	MEA260B, 261B
MEA264A Remove and install aircraft electrical/avionic components during line maintenance		Unchanged	MEA260B, 261B
MEA265A Remove and install general aircraft electrical hardware		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA270A Lay out avionic systems		Unchanged	MEA101B, 107B, 109B
MEA271A Lay out avionic flight management systems		Unchanged	MEA270B
MEA272A Apply basic scientific principles and		Unchanged	

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MEA07v3 Unit Code and title	MEA07v2 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
techniques in avionic engineering situations			
MEA273A Select and test avionic engineering materials		Unchanged	
MEA274A Maintain basic light aircraft electrical systems and components		New Unit	MEA246C
MEA275A Maintain basic light aircraft instrument systems and components		New Unit	MEA246C
MEA276A Maintain basic aircraft communication and radio navigation systems and components		New Unit	MEA246C
MEA277A Maintain twin engine aircraft electrical systems and components		New Unit	MEA207C, 246C
MEA278A Inspect, test and troubleshoot instrument display systems and components		New Unit	MEA207C, 246C
MEA279A Inspect, test and troubleshoot full authority digital engine control systems		New Unit	MEA207C, 246C
MEA280A Inspect, test and troubleshoot flight management systems and components		New Unit	MEA207C, 246C
MEA281A Maintain light aircraft AC powered instrument systems and components		New Unit	MEA246C
MEA282A Repair or overhaul aircraft pulse system		New Unit	MEA260B, 261C

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MEA07v3 Unit Code and title	MEA07v2 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
components			
MEA283A Repair or overhaul aircraft display, control and distribution system components		New Unit	MEA260B, 261C
MEA284A Repair or overhaul aircraft instrument system components		New Unit	MEA260B, 261C
MEA285A Repair or overhaul aircraft radio frequency communication and navigation system components		New Unit	MEA260B, 261C
MEA286A Repair or overhaul aircraft electrical/electro-mechanical components		New Unit	MEA260B, 261C
MEA287A Repair or overhaul aircraft oxygen system components		New Unit	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA288A Repair or overhaul aircraft audio and visual systems and reproducers		New Unit	MEA260B,261C
MEA289A Maintain basic light aircraft avionic systems and components		New Unit	MEA246C
MEA290A Fit avionic modification sheetmetal components		New Unit	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA291A Inspect, test and troubleshoot fixed wing single axis autopilot systems and components		New Unit	MEA207C, 246C
MEA301C Perform aircraft	MEA301B Perform	Knowledge	MEA101B, 103B,

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MEA07v3 Unit Code and title	MEA07v2 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
flight servicing	aircraft flight servicing	statements expanded to improve usability in General Aviation Units are equivalent	105B, 107B, 108B, 109B
MEA302C Remove and install aircraft hydro-mechanical and landing gear system components	MEA302B Remove and install aircraft hydro-mechanical and landing gear system components	Knowledge statements expanded to improve usability in General Aviation Units are equivalent	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA303C Remove and install aircraft pneumatic system components	MEA303B Remove and install aircraft pneumatic system components	Range Statement and Knowledge requirements revised to include halon fire extinguisher environmental requirements	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA304C Remove and install non-pressurised aircraft structural and non-structural components	MEA304B Remove and install non-pressurised aircraft structural and non-structural components	Knowledge statements expanded to improve usability in General Aviation	MEA302C
MEA305C Remove and install aircraft fixed wing flight control system components	MEA305B Remove and install aircraft fixed wing flight control system components	Knowledge statements expanded to improve usability in General Aviation	MEA302C
MEA306C Remove and install engines and engine	MEA306B Remove and install engines and engine system	Knowledge statements expanded to	MEA302C

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MEA07v3 Unit Code and title	MEA07v2 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
system components	components	improve usability in General Aviation Units are equivalent	
MEA307C Remove and install propeller systems and components	MEA307B Remove and install propeller systems and components	Knowledge statements expanded to improve usability in General Aviation Units are equivalent	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA308C Remove and install rotary wing rotor and flight control system components	MEA308B Remove and install rotary wing rotor and flight control system components	Knowledge statements expanded to improve usability in General Aviation	MEA302C
MEA309C Inspect, test and troubleshoot aircraft hydro-mechanical and landing gear systems and components	MEA309B Inspect, test and troubleshoot aircraft hydro-mechanical and landing gear systems and components	Knowledge statements expanded to improve usability in General Aviation	MEA302C
MEA310C Inspect, test and troubleshoot aircraft pneumatic systems and components	MEA310B Inspect, test and troubleshoot aircraft pneumatic systems and components	Knowledge requirements revised to include halon fire extinguisher requirements Units are equivalent	MEA303C
MEA311C Inspect and repair/modify aircraft structures	MEA311B Inspect and repair/modify aircraft structures	Knowledge statements expanded to	MEA304C or 317C

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MEA07v3 Unit Code and title	MEA07v2 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
		improve usability in General Aviation Units are equivalent	
MEA312C Inspect, test and troubleshoot aircraft fixed wing flight control systems and components	MEA312B Inspect, test and troubleshoot aircraft fixed wing flight control systems and components	Knowledge statements expanded to improve usability in General Aviation Units are equivalent	MEA305C
MEA313C Inspect, test and troubleshoot piston engine systems and components	MEA313B Inspect, test and troubleshoot piston engine systems and components	Knowledge statements expanded to improve usability in General Aviation Units are equivalent	MEA306C
MEA314C Inspect, test and troubleshoot gas turbine engine systems and components	MEA314B Inspect, test and troubleshoot gas turbine engine systems and components	Knowledge statements expanded to improve usability in General Aviation Units are equivalent	MEA306C
MEA315C Inspect, test and troubleshoot propeller systems and components	MEA315B Inspect, test and troubleshoot propeller systems and components	Knowledge statements expanded to improve usability in General Aviation	MEA307C
MEA316C Inspect, test and troubleshoot rotary wing rotor	MEA316B Inspect, test and troubleshoot	Knowledge statements	MEA308C

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MEA07v3 Unit Code and title	**MEA07v2 Unit Code and title**	**Relationship to previous version**	**Prerequisite / Corequisite units (Check unit for details)**
and control systems and components	rotary wing rotor and control systems and components	expanded to improve usability in General Aviation Units are equivalent	
MEA317C Remove and install pressurised aircraft structural and non-structural components	MEA317B Remove and install pressurised aircraft structural and non-structural components	Knowledge statements expanded to improve usability in General Aviation Units are equivalent	MEA302C and 303C
MEA318B Inspect aircraft hydro-mechanical, mechanical, gaseous and landing gear systems and components		Unchanged	MEA302C, 303C and 305C
MEA319B Inspect gas turbine engine systems and components		Unchanged	MEA306C
MEA320B Test and troubleshoot aircraft hydro-mechanical, mechanical, gaseous and landing gear systems and components		Unchanged	MEA318B
MEA321B Test and troubleshoot aircraft fixed wing flight control systems and components		Unchanged	MEA318B
MEA322B Test and troubleshoot gas turbine engine systems and components		Unchanged	MEA319B

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MEA07v3 Unit Code and title	MEA07v2 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
MEA323B Perform advanced troubleshooting in aircraft mechanical maintenance		Unchanged	All Certificate IV in Aeroskills (Avionics) or (Mechanical) units applicable to the CASA B1 Licence
MEA325B Weigh aircraft and perform aircraft weight and balance calculations as a result of modifications		Unchanged	All Certificate IV in Aeroskills (Avionics) or (Mechanical) units applicable to the CASA B1 Licence
MEA327B Fabricate and/or repair aircraft mechanical components or parts		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA328C Maintain and/or repair aircraft mechanical components or parts	MEA328B Maintain and/or repair aircraft mechanical components or parts	Knowledge statements expanded to improve usability in General Aviation Units are equivalent	MEA302C and 303C
MEA329B Dismantle, inspect, maintain and assemble aircraft basic hydraulic and pneumatic components or parts		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA330B Dismantle, inspect, maintain and assemble aircraft non-primary structural removable components or parts and internal fittings		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA331B Dismantle, inspect, maintain and assemble aircraft gas turbine		Unchanged	MEA101B, 103B, 105B, 107B, 108B,

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MEA07v3 Unit Code and title	MEA07v2 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
engine components or parts			109B
MEA332B Dismantle, inspect, maintain and assemble aircraft mechanical components or parts		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA333B Dismantle, inspect, maintain and assemble aircraft piston engine components or parts		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA339B Inspect, repair and maintain aircraft structures	MEA339A Inspect, repair and maintain aircraft structures	Knowledge statements expanded to improve usability in General Aviation Units are equivalent	MEA304C or 317C
MEA340A Lay out and set up aircraft systems		Unchanged	MEA101B, 107B, 109B
MEA341A Apply basic aircraft design characteristics		Unchanged	MEA101B, 107B, 109B
MEA342A Apply basic aircraft power plant design characteristics		Unchanged	MEA101B, 107B, 109B
MEA343B Remove and install avionic system components		Unchanged	MEA211C OR 227C
MEA344A Remove and install aircraft components		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA345A Perform scheduled line maintenance activities on gas turbine engine fixed wing aircraft		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B

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MEA07v3 Unit Code and title	MEA07v2 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
MEA346A Perform scheduled line maintenance activities on gas turbine engine rotary wing aircraft		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA347A Perform scheduled line maintenance activities on piston engine fixed wing aircraft		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA348A Perform scheduled line maintenance activities on piston engine rotary wing aircraft		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA349A Apply basic scientific principles and techniques in aeronautical engineering situations		Unchanged	
MEA350A Select and test avionic engineering materials		Unchanged	
MEA351A Maintain airframe systems of basic light fixed wing aircraft		New Unit	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA352A Maintain basic rotary wing aircraft systems		New Unit	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA353A Maintain basic light aircraft engines and propellers		New Unit	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA354A Maintain light aircraft pneumatic systems		New Unit	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA355A Maintain light aircraft air cycle air conditioning systems		New Unit	MEA201B, 246C

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MEA07v3 Unit Code and title	MEA07v2 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
MEA356A Maintain light piston engine aircraft pressurisation systems		New Unit	MEA201B, 246C
MEA357A Inspect, test and repair aircraft fabric surfaces		New Unit	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA358A Re-cover aircraft fabric surfaces		New Unit	MEA357A
MEA359A Inspect and repair aircraft wooden structures		New Unit	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA360A Maintain aircraft diesel engines		New Unit	MEA353A
MEA361A Maintain aircraft two stroke petrol engines		New Unit	MEA353A
MEA362A Maintain aircraft vapour cycle air conditioning systems		New Unit	MEA201B, 246C
MEA363A Inspect, repair and maintain structures and related components of non-pressurised small aircraft		New Unit	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA364A Maintain and/or repair small aircraft mechanical components or parts		New Unit	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA365A Assess structural repair/modification requirements and evaluate structural repairs and modifications		New Unit (replaces MEA324B)	All Certificate IV in Aeroskills (Avionics) or (Mechanical) units applicable to the CASA B1 or B2 Licence

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MEA07v3 Unit Code and title	MEA07v2 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
MEA366A Perform borescope inspections		New Unit	One of MEA313C, 314C, 322B, 387B
MEA380A Repair and/or overhaul aircraft hydraulic system components		New Unit	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA381A Repair and/or overhaul aircraft pneumatic system components		New Unit	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA382A Repair and/or overhaul aircraft fuel system components		New Unit	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA383A Repair and/or overhaul gas turbine engine air inlet and compressor components and/or modules		New Unit	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA384A Repair and/or overhaul gas turbine engine combustion section components and/or modules		New Unit	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA385A Repair and/or overhaul gas turbine engine turbine and exhaust section components		New Unit	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA386A Repair and/or overhaul gas turbine engine ancillary section components		New Unit	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA387A Test gas turbine engines and engine modules after overhaul or repair		New Unit	MEA383A, 384A, 385A, 386A
MEA388A Repair and/or overhaul piston engines		New Unit	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA389A Repair and/or		New Unit	MEA101B, 103B, 105B, 107B, 108B,

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MEA07v3 Unit Code and title	MEA07v2 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
overhaul propellers			109B
MEA390A Repair and/or overhaul rotary wing dynamic components		New Unit	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA391A Repair and/or overhaul aircraft mechanical system components		New Unit	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA401B Inspect aircraft structures		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA402B Fabricate aircraft structural components		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA403B Repair/modify aircraft structure		Unchanged	MEA401B, 402B
MEA404B Disassemble and reassemble aircraft structure for major repair or modification		Unchanged	MEA403B
MEA405B Repair/modify aircraft composite material structure/components		Unchanged	MEA401B
MEA406B Repair/modify aircraft non-primary structural sheetmetal components		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA407B Repair/modify aircraft non-primary structural non-metallic components		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA410B Maintain aircraft structure/components		Unchanged	MEA401B
MEA411A Remove surface coatings from aircraft or aircraft components		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B

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MEA07v3 Unit Code and title	MEA07v2 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
MEA412A Pre-treat aluminium alloy surfaces		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA413A Seal aircraft and aircraft component structural seams		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA414A Remove light corrosion from aircraft		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA415A Paint aircraft surfaces		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B, AURV229749A, AURV329603DA
MEA416A Apply aircraft identification markings, graphics and decals		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA417A Apply specialty coatings to aircraft		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA418A Perform basic repair of aircraft internal fittings during line maintenance		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA419A Inspect and repair/modify aircraft cabin/cockpit non-primary structure components		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA501A Maintain and fit anti-G suits		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B, 511A, LMSF2002B, MEA118A
MEA502A Maintain and fit		Unchanged	MEA101B, 103B,

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MEA07v3 Unit Code and title	MEA07v2 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
helmets			105B, 107B, 108B, 109B, MEA118A, 240B
MEA503A Maintain and fit immersion suits		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B, LMTTF2008A, MEA118A
MEA504A Maintain and fit oxygen masks		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B, MEA118A, 240B
MEA505A Maintain and pack parachutes		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B, 511A, LMFSF2002B, MEA118A
MEA506A Maintain and pack survival inflatable life rafts and escape slides		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B, MEA118A
MEA507A Maintain, pack and fit survival inflatable buoyancy vests		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B, MEA118A
MEA508A Maintain, install and remove restraint systems		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B, 511A, LMFSF2002B, MEA118A
MEA509A Manufacture, repair and alter aircraft related fabric components		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B, 511A, LMSF2002B, MEA118A
MEA510A Maintain seat and pod electrical and electronic		Unchanged	MEA240B

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MEA07v3 Unit Code and title	MEA07v2 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
systems			
MEA511A Operate and maintain sewing machines and overlockers		Unchanged	
MEA601A Maintain aircraft egress systems		New Unit	MEA101B, 103B, 105B, 107B, 108B, 109B, PUADEFEO101B
MEA602A Remove and install aircraft stores management system components		New Unit	MEA101B, 103B, 105B, 107B, 108B, 109B, PUADEFEO101B
MEA603A Remove and install aircraft stores suspension systems and components		New Unit	MEA101B, 103B, 105B, 107B, 108B, 109B, PUADEFEO101B
MEA604A Inspect, test and troubleshoot aircraft stores management systems and components		New Unit	MEA602A
MEA605A Inspect, test and troubleshoot aircraft stores suspension systems and components		New Unit	MEA603A
Imported Units			
MEM08013B Prepare surfaces by abrasive blasting (advanced)	Unchanged	From Metals and Engineering Training Package – current unit – not contextualised	
MEM12001B Use comparison and basic measuring devices	Unchanged	From Metals and Engineering Training Package – current unit – not contextualised	

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MEA07v3 Unit Code and title	MEA07v2 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
MEM30007A Select common engineering materials	Unchanged	From Metals and Engineering Training Package – current unit – not contextualised	
MEM30012A Apply mathematical techniques in a manufacturing engineering or related environment	Unchanged	From Metals and Engineering Training Package – current unit – not contextualised	
AURV229749A Prepare spray painting materials and equipment	Unchanged	From Automotive Industry Retail, Service and Repair Training Package – current unit – not contextualised	
AURV231208A Carry out trimming of vehicle components	Unchanged	From Automotive Industry Retail, Service and Repair Training Package – current unit – not contextualised	
AURV231268A Select and apply trim/fabric materials and determine attachment methods	Unchanged	From Automotive Industry Retail, Service and Repair Training Package – current unit – not contextualised	
AURV231368A Select and apply trim/fabric adhesives	Unchanged	From Automotive Industry Retail, Service and Repair Training Package – current unit – not contextualised	

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MEA07v3 Unit Code and title	MEA07v2 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
AURV329603DA Apply air dry and polyurethane enamel refinishing material	Unchanged	From Automotive Industry Retail, Service and Repair Training Package – current unit – not contextualised	
BSBMGT503A Prepare budgets and financial plans	Unchanged	From Business Services Training Package – deleted from BSB07 – not contextualised	
BSBMGT504A Manage budgets and financial plans	Unchanged	From Business Services Training Package – deleted from BSB07 – not contextualised	
LMFSF2001B Cut single layer fabrics	Unchanged	From the Furnishing Training Package-current unit – not contextualised	
LMFSF2002B Machine sew materials	Unchanged	From the Furnishing Training Package-current unit – not contextualised	
LMFUP3012B Apply marine sewing and installation techniques	Unchanged	From the Furnishing Training Package-current unit – not contextualised	
LMTTF2008A Use adhesives	Unchanged	From Textiles, Clothing and	

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MEA07v3 Unit Code and title	MEA07v2 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
		Footwear Training Package – current unit – not contextualised	
PSPMNGT610A Manage public sector financial resources	Unchanged	From Public Sector Training Package – current unit – not contextualised	
PUADEFEO101B Work safely with explosive ordnance	Unchanged	From Public Safety Training Package – current unit – not contextualised	
PUADEFEO501B Conduct explosive ordnance inspection	Unchanged	From Public Safety Training Package – current unit – not contextualised	
MSAENV272B Participate in environmentally sustainable work practices	New in Version 3	From Manufacturing Training Package – current unit – not contextualised	
MSAENV472B Implement and monitor environmentally sustainable work practices	New in Version 3	From Manufacturing Training Package – current unit – not contextualised	
MSAENV672B Develop workplace policy and procedures for environmental sustainability	New in Version 3	From Manufacturing Training Package – current unit – not contextualised	

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Units Not Carried Forward From MEA07V2 to MEA07 V3

Unit	Comment
MEA247B Repair or overhaul aircraft electrical/electro-mechanical components	Replaced by MEA288A
MEA248B Repair or overhaul aircraft instrument and display system components	Replaced by MEA283A and 284A
MEA249B Test, align and troubleshoot analogue circuitry	Incorporated in MEA285A
MEA250B Test, align and troubleshoot digital circuitry	Incorporated in MEA282A and 283A
MEA251B Repair or overhaul aircraft oxygen system components	Replaced by MEA287A
MEA258B Repair or overhaul aircraft audio and visual systems and reproducers	Replaced by MEA288A
MEA324B Perform structural repair/modification assessment and evaluation	Replaced by MEA365A
MEA334B Repair and/or overhaul aircraft hydro-mechanical systems and components	Replaced by MEA380A, 381A and 382A
MEA335B Repair and/or overhaul aircraft gas turbine engine components and/or modules	Replaced by MEA383A to 387A inclusive
MEA336B Repair and/or overhaul aircraft piston engines	Replaced by MEA388A
MEA337B Repair and/or overhaul propellers	Replaced by MEA389A
MEA338B Repair and/or overhaul rotary wing dynamic components	Replaced by MEA390A
MEA408B Inspect and repair aircraft wooden structures	Replaced by MEA359A
MEA409B Inspect, test, repair and re-cover aircraft fabric surfaces	Replaced by MEA357A and 358A
MEM17001B Assist in development and deliver training in the workplace	No longer required for MEA113C

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MEM17002B Conduct workplace assessment	No longer required for MEA113C
MEM24002B Perform penetrant testing	Deleted with MEA324B
MEM24012B Apply metallurgy principles	Deleted with MEA324B

Mapping of Units of Competency in MEA07v2 to MEA07v1, with prerequisite requirements

MEA07v2 Unit Code and title	**MEA07v1 Unit Code and title**	**Relationship to previous version**	**Prerequisite / Corequisite units (Check unit for details)**
Package-specific units			
MEA101B Interpret occupational health and safety practices in aviation maintenance		Unchanged	Nil
MEA103B Plan and organise aviation maintenance work activities		Unchanged	MEA101B, 105B, 107B, 108B
MEA105B Apply quality standards applicable to aviation maintenance processes		Unchanged	MEA101B, 107B
MEA107B Interpret and use aviation maintenance industry manuals and specifications		Unchanged	Nil
MEA108B Complete aviation maintenance industry documentation		Unchanged	MEA105B
MEA109B Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance		Unchanged	MEA105B, 108B
MEA111B Perform administrative processes to prepare for certification of civil		Unchanged	All Certificate IV in Aeroskills (Avionics) or

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MEA07v2 Unit Code and title	**MEA07v1 Unit Code and title**	**Relationship to previous version**	**Prerequisite / Corequisite units (Check unit for details)**
aircraft maintenance			(Mechanical) units applicable to the CASA B1 or B2 Licence
MEA112B Plan and implement civil aircraft maintenance activities		Unchanged	MEM17001B, 17002B All Certificate IV in Aeroskills (Avionics) or (Mechanical) units applicable to the CASA B1 or B2 Licence
MEA113B Supervise civil aircraft maintenance activities and manage human resources in the workplace		Unchanged	All Certificate IV in Aeroskills (Avionics) or (Mechanical) units applicable to the CASA B1 or B2 Licence
MEA114A Certify aeronautical product maintenance	New unit	n/a	Nil
MEA115B Plan and implement aeronautical product maintenance activities		Unchanged	Nil
MEA116A Apply occupational health and safety procedures at supervisor level in aviation maintenance		Unchanged	Nil
MEA117A Apply self in the aviation maintenance environment		Unchanged	Nil
MEA118A Conduct self in the aviation maintenance environment		Unchanged	Nil

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MEA07v2 Unit Code and title	MEA07v1 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
MEA119A Perform administrative processes to prepare for certification of civil aircraft A level line maintenance		Unchanged	All Certificate II in Aircraft Line Maintenance units applicable to the CASA A Licence
MEA120A Manage an aviation maintenance quality system		Unchanged	Nil
MEA121A Manage aircraft/aeronautical product configuration		Unchanged	Nil
MEA122A Manage aircraft/equipment system performance testing		Unchanged	MEA126A
MEA123A Manage aviation maintenance work environment policy and practices		Unchanged	Nil
MEA124A Coordinate change programs in the aviation maintenance environment		Unchanged	Nil
MEA125A Develop aviation maintenance personnel		Unchanged	Nil
MEA126A Manage aircraft maintenance activities		Unchanged	Nil
MEA127A Provide technical advice in the maintenance and management of aircraft and aeronautical product		Unchanged	MEA349A, MEA350A Or MEA272A, MEA273A
MEA128A Provide engineering advice in the modification, maintenance and management of aircraft systems		Unchanged	MEA349A, MEA350A Or MEA272A,

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MEA07v2 Unit Code and title	MEA07v1 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
			MEA273A
MEA129A Investigate technical aspects of aviation occurrences		Unchanged	Nil
MEA130A Manage deployed/detached aviation maintenance activities		Unchanged	Nil
MEA131A Manage the custody, transfer and disposal of aircraft, aeronautical product and support equipment		Unchanged	Nil
MEA132A Manage budgetary resources in the aviation maintenance environment		Unchanged	Nil
MEA133A Communicate aviation technical and maintenance management knowledge		Unchanged	Nil
MEA134A Establish, maintain and evaluate the organisation's occupational health and safety system		Unchanged	Nil
MEA135A Use computers in aviation maintenance-related integrated logistic support activities		Unchanged	Nil
MEA136A Assess aviation maintenance spares and manage repairable items		Unchanged	MEA135A
MEA137A Write aviation technical publications		Unchanged	MEA135A
MEA138A Perform aviation technical publication management activities		Unchanged	MEA137A

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MEA07v2 Unit Code and title	MEA07v1 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
MEA139A Perform aviation maintenance – related integrated logistic support management activities		Unchanged	Nil
MEA140A Supervise aviation maintenance teams and perform maintenance quality inspections		Unchanged	Maintenance Quality Inspector or Independent Inspector in the ADF Regulatory environment
MEA141A Manage risk in aviation maintenance		Unchanged	Nil
MEA142A Manage self in the aviation maintenance environment		Unchanged	Nil
MEA143A Develop and manage maintenance error management programs		Unchanged	Nil
MEA201B Remove and install miscellaneous aircraft electrical hardware/components		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA202B Remove and install basic aircraft electrical system components		Unchanged	MEA201B
MEA203B Remove and install advanced aircraft electrical system components		Unchanged	MEA201B
MEA204B Remove and install basic aircraft instrument system components		Unchanged	MEA201B
MEA205B Remove and install advanced aircraft instrument system components		Unchanged	MEA201B

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MEA07v2 Unit Code and title	MEA07v1 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
MEA206B Remove and install aircraft basic radio communication and navigation system components		Unchanged	MEA201B
MEA207B Remove and install aircraft electronic system components		Unchanged	MEA201B
MEA208B Remove and install aircraft pressurisation control system components		Unchanged	MEA201B
MEA209B Remove and install aircraft oxygen system components		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA210B Inspect, test and troubleshoot basic aircraft electrical systems and components		Unchanged	MEA202B, 246B
MEA211B Inspect, test and troubleshoot advanced aircraft electrical systems and components		Unchanged	MEA203B, 246B
MEA212B Inspect, test and troubleshoot basic aircraft instrument systems and components		Unchanged	MEA204B, 246B
MEA213B Inspect, test and troubleshoot advanced aircraft instrument systems		Unchanged	MEA205B, 246B
MEA214B Inspect, test and troubleshoot aircraft basic communication and radio navigation systems and components		Unchanged	MEA206B, 246B
MEA215B Inspect, test and troubleshoot advanced aircraft		Unchanged	MEA206B, 246B

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MEA07v2 Unit Code and title	MEA07v1 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
communications systems and components			
MEA216B Inspect, test and troubleshoot instrument landing systems and components		Unchanged	MEA206B, 207B, 246B
MEA217B Inspect, test and troubleshoot fixed wing autopilot systems and components		Unchanged	MEA207B, 246B
MEA218B Inspect, test and troubleshoot rotary wing autopilot systems and components		Unchanged	MEA207B, 246B
MEA219B Inspect, test and troubleshoot aircraft pressurisation control systems and components		Unchanged	MEA208B, 246B
MEA220B Inspect, test and troubleshoot aircraft primary radar systems and components		Unchanged	MEA207B, 246B
MEA221B Inspect, test and troubleshoot aircraft secondary radar systems and components		Unchanged	MEA207B, 246B
MEA222B Inspect, test and troubleshoot aircraft oxygen systems and components		Unchanged	MEA209B
MEA223C Inspect aircraft electrical systems and components	MEA223B Inspect aircraft electrical systems and components	Pressurisation systems added to range statement in line with CASA changes to B2 licence privileges	MEA203B, 246B
MEA224B Inspect aircraft instrument systems and		Unchanged	MEA205B, 246B

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MEA07v2 Unit Code and title	MEA07v1 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
components			
MEA225B Inspect fixed wing aircraft automatic flight control systems and components		Unchanged	MEA207B, 246B
MEA226C Inspect aircraft electronic systems and components	MEA226B Inspect aircraft electronic systems and components	Additional knowledge requirements in line with CASA changes to B2 licence knowledge requirements	MEA207B, 246B
MEA227C Test and troubleshoot aircraft electrical systems and components	MEA227B Test and troubleshoot aircraft electrical systems and components	Pressurisation systems added to range statement in line with CASA changes to B2 licence privileges	MEA223C, 246B
MEA228C Test and troubleshoot aircraft instrument systems and components	MEA228B Test and troubleshoot aircraft instrument systems and components	Additional knowledge requirements in line with CASA changes to B2 licence knowledge requirements	MEA224B, 226C
MEA229C Test and troubleshoot aircraft radio frequency navigation and communications systems and components	MEA229B Test and troubleshoot aircraft radio frequency navigation and communications systems and components	Additional knowledge requirements in line with CASA changes to B2 licence knowledge requirements	MEA226C, 246B
MEA230B Test and troubleshoot fixed wing aircraft automatic flight control systems and components		Unchanged	MEA225B

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MEA07v2 Unit Code and title	MEA07v1 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
MEA231B Inspect, test and troubleshoot rotary wing aircraft automatic flight control systems and components		Unchanged	MEA207B, 246B
MEA232B Test and troubleshoot aircraft pulse systems and components		Unchanged	MEA226C
MEA233B Inspect, test and troubleshoot aircraft inertial navigation and reference systems and components		Unchanged	MEA207B, 246B
MEA234B Inspect, test and troubleshoot aircraft global navigation systems and components		Unchanged	MEA206B, 207B, 246B
MEA235B Perform advanced troubleshooting in aircraft avionic maintenance		Unchanged	All Certificate IV in Aeroskills (Avionics) or (Mechanical) units applicable to the CASA B2 Licence
MEA238B Perform routine removal and installation of miscellaneous aircraft electrical hardware/components		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA239B Fabricate aircraft electrical looms and harnesses		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B, 240B
MEA240B Use electrical test equipment to perform basic electrical tests		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA241B Perform aircraft weight and balance calculations as a result of		Unchanged	All Certificate IV in Aeroskills (Avionics) or

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MEA07v2 Unit Code and title	MEA07v1 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
modifications			(Mechanical) units applicable to the CASA B2 Licence
MEA246B Fabricate and/or repair aircraft electrical hardware or parts		Unchanged	MEA201B, 260B
MEA247B Repair or overhaul aircraft electrical/electro-mechanical components		Unchanged	MEA201B, 260B
MEA248B Repair or overhaul aircraft instrument and display system components		Unchanged	MEA249B, 250B, 263B
MEA249B Test, align and troubleshoot analogue circuitry		Unchanged	MEA260B, 261B
MEA250B Test, align and troubleshoot digital circuitry		Unchanged	MEA260B, 261B
MEA251B Repair or overhaul aircraft oxygen system components		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA252B Test, align and troubleshoot aircraft synchro and servo system components		Unchanged	MEA201B, 260B, 261B
MEA258B Repair or overhaul aircraft audio and visual systems and reproducers		Unchanged	MEA260B, 261B
MEA260B Use electrical test equipment		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA261B Use electronic test equipment		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA262B Modify/repair		Unchanged	MEA260B, 261B

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MEA07v2 Unit Code and title	MEA07v1 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
aircraft component single layer printed circuit boards			
MEA263B Modify/repair aircraft component multi-layer printed circuit boards		Unchanged	MEA260B, 261B
MEA264A Remove and install aircraft electrical/avionic components during line maintenance		Unchanged	MEA260B, 261B
MEA265A Remove and install general aircraft electrical hardware		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA270A Lay out avionic systems		Unchanged	MEA101B, 107B, 109B
MEA271A Lay out avionic flight management systems		Unchanged	MEA270B
MEA272A Apply basic scientific principles and techniques in avionic engineering situations		Unchanged	
MEA273A Select and test avionic engineering materials		Unchanged	
MEA301B Perform aircraft flight servicing		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA302B Remove and install aircraft hydro-mechanical and landing gear system components		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA303B Remove and install aircraft pneumatic system components		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA304B Remove and install		Unchanged	MEA302B

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MEA07v2 Unit Code and title	MEA07v1 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
non-pressurised aircraft structural and non-structural components			
MEA305B Remove and install aircraft fixed wing flight control system components		Unchanged	MEA302B
MEA306B Remove and install engines and engine system components		Unchanged	MEA302B
MEA307B Remove and install propeller systems and components		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA308B Remove and install rotary wing rotor and flight control system components		Unchanged	MEA302B
MEA309B Inspect, test and troubleshoot aircraft hydro-mechanical and landing gear systems and components		Unchanged	MEA302B
MEA310B Inspect, test and troubleshoot aircraft pneumatic systems and components		Unchanged	MEA303B
MEA311B Inspect and repair/modify aircraft structures		Unchanged	MEA304B or 317B
MEA312B Inspect, test and troubleshoot aircraft fixed wing flight control systems and components		Unchanged	MEA305B
MEA313B Inspect, test and troubleshoot piston engine systems and components		Unchanged	MEA306B
MEA314B Inspect, test and troubleshoot gas turbine engine		Unchanged	MEA306B

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MEA07v2 Unit Code and title	MEA07v1 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
systems and components			
MEA315B Inspect, test and troubleshoot propeller systems and components		Unchanged	MEA307B
MEA316B Inspect, test and troubleshoot rotary wing rotor and control systems and components		Unchanged	MEA308B
MEA317B Remove and install pressurised aircraft structural and non-structural components		Unchanged	MEA302B and 303B
MEA318B Inspect aircraft hydro-mechanical, mechanical, gaseous and landing gear systems and components		Unchanged	MEA302B, 303B and 305B
MEA319B Inspect gas turbine engine systems and components		Unchanged	MEA306B
MEA320B Test and troubleshoot aircraft hydro-mechanical, mechanical, gaseous and landing gear systems and components		Unchanged	MEA318B
MEA321B Test and troubleshoot aircraft fixed wing flight control systems and components		Unchanged	MEA318B
MEA322B Test and troubleshoot gas turbine engine systems and components		Unchanged	MEA319B
MEA323B Perform advanced troubleshooting in aircraft mechanical maintenance		Unchanged	All Certificate IV in Aeroskills (Avionics) or (Mechanical) units applicable to the

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MEA07v2 Unit Code and title	MEA07v1 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
			CASA B1 Licence
MEA324B Perform structural repair/modification assessment and evaluation		Unchanged	MEM24002B All Certificate IV in Aeroskills (Avionics) or (Mechanical) units applicable to the CASA B1 Licence
MEA325C Weigh aircraft and perform aircraft weight and balance calculations as a result of modifications		Unchanged	All Certificate IV in Aeroskills (Avionics) or (Mechanical) units applicable to the CASA B1 Licence
MEA327B Fabricate and/or repair aircraft mechanical components or parts		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA328B Maintain and/or repair aircraft mechanical components or parts		Unchanged	MEA302B and 303B
MEA329B Dismantle, inspect, maintain and assemble aircraft basic hydraulic and pneumatic components or parts		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA330B Dismantle, inspect, maintain and assemble aircraft non-primary structural removable components or parts and internal fittings		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA331B Dismantle, inspect, maintain and assemble aircraft gas turbine engine components or parts		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA332B Dismantle, inspect, maintain and assemble aircraft		Unchanged	MEA101B, 103B, 105B, 107B, 108B,

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MEA07v2 Unit Code and title	MEA07v1 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
mechanical components or parts			109B
MEA333B Dismantle, inspect, maintain and assemble aircraft piston engine components or parts		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA334B Repair and/or overhaul aircraft hydro-mechanical systems and components		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA335B Repair and/or overhaul aircraft gas turbine engine components and/or modules		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA336B Repair and/or overhaul aircraft piston engines		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA337B Repair and/or overhaul propellers		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA338B Repair and/or overhaul rotary wing dynamic components		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA339A Inspect, repair and maintain aircraft structures		Unchanged	MEA304B or 317B
MEA340A Lay out and set up aircraft systems		Unchanged	MEA101B, 107B, 109B
MEA341A Apply basic aircraft design characteristics		Unchanged	MEA101B, 107B, 109B
MEA342A Apply basic aircraft power plant design characteristics		Unchanged	MEA101B, 107B, 109B
MEA343B Remove and install	MEA343A	Additional	MEA211B OR

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MEA07v2 Unit Code and title	MEA07v1 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
avionic system components	Remove and install avionic system components	knowledge requirements in line with CASA changes to B1 licence knowledge requirements and additions to range statement	227C
MEA344A Remove and install aircraft components		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA345A Perform scheduled line maintenance activities on gas turbine engine fixed wing aircraft		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA346A Perform scheduled line maintenance activities on gas turbine engine rotary wing aircraft		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA347A Perform scheduled line maintenance activities on piston engine fixed wing aircraft		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA348A Perform scheduled line maintenance activities on piston engine rotary wing aircraft		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA349A Apply basic scientific principles and techniques in aeronautical engineering situations		Unchanged	
MEA350A Select and test avionic engineering materials		Unchanged	
MEA401B Inspect aircraft structures		Unchanged	MEA101B, 103B, 105B, 107B, 108B,

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MEA07v2 Unit Code and title	MEA07v1 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
			109B
MEA402B Fabricate aircraft structural components		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA403B Repair/modify aircraft structure		Unchanged	MEA401B, 402B
MEA404B Disassemble and reassemble aircraft structure for major repair or modification		Unchanged	MEA403B
MEA405B Repair/modify aircraft composite material structure/components		Unchanged	MEA401B
MEA406B Repair/modify aircraft non-primary structural sheetmetal components		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA407B Repair/modify aircraft non-primary structural non-metallic components		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA408B Inspect and repair aircraft wooden structures		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA409B Inspect, test, repair and re-cover aircraft fabric surfaces		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA410B Maintain aircraft structure/components		Unchanged	MEA401B
MEA411A Remove surface coatings from aircraft or aircraft components		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA412A Pre-treat aluminium alloy surfaces		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B

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MEA07v2 Unit Code and title	MEA07v1 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
MEA413A Seal aircraft and aircraft component structural seams		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA414A Remove light corrosion from aircraft		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA415A Paint aircraft surfaces		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B, AURV229749A, AURV329603DA
MEA416A Apply aircraft identification markings, graphics and decals		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA417A Apply specialty coatings to aircraft		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA418A Perform basic repair of aircraft internal fittings during line maintenance		Unchanged	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA419A Inspect and repair/modify aircraft cabin/cockpit non-primary structure components	New unit		MEA101B, 103B, 105B, 107B, 108B, 109B
MEA501A Maintain and fit anti-G suits	New unit		MEA101B, 103B, 105B, 107B, 108B, 109B, 511A, LMSF2002B, MEA118A
MEA502A Maintain and fit helmets	New unit		MEA101B, 103B, 105B, 107B, 108B, 109B, MEA118A, 240B

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MEA07v2 Unit Code and title	MEA07v1 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
MEA503A Maintain and fit immersion suits	New unit		MEA101B, 103B, 105B, 107B, 108B, 109B, LMTTF2008A, MEA118A
MEA504A Maintain and fit oxygen masks	New unit		MEA101B, 103B, 105B, 107B, 108B, 109B, MEA118A, 240B
MEA505A Maintain and pack parachutes	New unit		MEA101B, 103B, 105B, 107B, 108B, 109B, 511A, LMFSF2002B, MEA118A
MEA506A Maintain and pack survival inflatable life rafts and escape slides	New unit		MEA101B, 103B, 105B, 107B, 108B, 109B, MEA118A
MEA507A Maintain, pack and fit survival inflatable buoyancy vests	New unit		MEA101B, 103B, 105B, 107B, 108B, 109B, MEA118A
MEA508A Maintain, install and remove restraint systems	New unit		MEA101B, 103B, 105B, 107B, 108B, 109B, 511A, LMFSF2002B, MEA118A
MEA509A Manufacture, repair and alter aircraft related fabric components	New unit		MEA101B, 103B, 105B, 107B, 108B, 109B, 511A, LMSF2002B, MEA118A
MEA510A Maintain seat and pod electrical and electronic systems	New unit		MEA240B
MEA511A Operate and maintain sewing machines and	New unit		Nil

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MEA07v2 Unit Code and title	**MEA07v1 Unit Code and title**	**Relationship to previous version**	**Prerequisite / Corequisite units (Check unit for details)**
overlockers			
Imported Units			
MEM17001B Assist in development and deliver training in the workplace	Unchanged	From Metals and Engineering Training Package – current unit – not contextualised	
MEM17002B Conduct workplace assessment	Unchanged	From Metals and Engineering Training Package – current unit – not contextualised	
MEM08013B Prepare surfaces by abrasive blasting (advanced)	Unchanged	From Metals and Engineering Training Package – current unit – not contextualised	
MEM12001B Use comparison and basic measuring devices	New in Version 2	From Metals and Engineering Training Package – current unit – not contextualised	
MEM24002B Perform penetrant testing	Unchanged	From Metals and Engineering Training Package – current unit – not contextualised	MEA109B (equivalent to MEM18001B) MEM24012B
MEM24012B Apply metallurgy principles	Unchanged	From Metals and Engineering Training Package – current unit – not contextualised	
MEM30007A Select common engineering materials	Unchanged	From Metals and Engineering Training Package – current unit – not	

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MEA07v2 Unit Code and title	**MEA07v1 Unit Code and title**	**Relationship to previous version**	**Prerequisite / Corequisite units (Check unit for details)**
		contextualised	
MEM30012A Apply mathematical techniques in a manufacturing engineering or related environment	Unchanged	From Metals and Engineering Training Package – current unit – not contextualised	
AURV229749A Prepare spray painting materials and equipment	Unchanged	From Automotive Industry Retail, Service and Repair Training Package – current unit – not contextualised	
AURV231208A Carry out trimming of vehicle components	New in Version 2	From Automotive Industry Retail, Service and Repair Training Package – current unit – not contextualised	
AURV231268A Select and apply trim/fabric materials and determine attachment methods	New in Version 2	From Automotive Industry Retail, Service and Repair Training Package – current unit – not contextualised	
AURV231368A Select and apply trim/fabric adhesives	New in Version 2	From Automotive Industry Retail, Service and Repair Training Package – current unit – not contextualised	
AURV329603DA Apply air dry and polyurethane enamel refinishing material	Unchanged	From Automotive Industry Retail, Service and Repair Training Package – current unit – not contextualised	

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MEA07v2 Unit Code and title	**MEA07v1 Unit Code and title**	**Relationship to previous version**	**Prerequisite / Corequisite units (Check unit for details)**
BSBMGT503A Prepare budgets and financial plans	Unchanged	From Business Services Training Package – deleted from BSB07 – not contextualised	
BSBMGT504A Manage budgets and financial plans	Unchanged	From Business Services Training Package – deleted from BSB07 – not contextualised	
LMFSF2001B Cut single layer fabrics	New in Version 2	From the Furnishing Training Package-current unit – not contextualised	
LMFSF2002B Machine sew materials	New in Version 2	From the Furnishing Training Package-current unit – not contextualised	
LMFUP3012B Apply marine sewing and installation techniques	New in Version 2	From the Furnishing Training Package-current unit – not contextualised	
LMTTF2008A Use adhesives	New in Version 2	From Textiles, Clothing and Footwear Training Package – current unit – not contextualised	
PSPMNGT610A Manage public sector financial resources	Unchanged	From Public Sector Training Package – current	

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MEA07v2 Unit Code and title	MEA07v1 Unit Code and title	Relationship to previous version	Prerequisite / Corequisite units (Check unit for details)
		unit – not contextualised	
PUADEFEO101B Work safely with explosive ordnance	New in Version 2	From Public Safety Training Package – current unit – not contextualised	
PUADEFEO501B Conduct explosive ordnance inspection	New in Version 2	From Public Safety Training Package – current unit – not contextualised	

Mapping of Units of Competency in MEA07v1 to MEA97v4

Unit Code	Unit title	Relationship	Comment in relation to MEA07 unit
MEA101B	Interpret occupational health and safety practices in aviation maintenance	Revised unit	Minor amendments to skills and knowledge to meet NOHSC requirements in Generic Unit A – equivalent to MEA101A
MEA103B	Plan and organise aviation maintenance work activities	Revised unit	Minor amendments to skills and knowledge to align with CASA licensing syllabus and to improve environment protection coverage – equivalent to MEA103A
MEA105B	Apply quality standards applicable to aviation maintenance processes	Revised unit	Changes to wording and layout associated with reformatting – equivalent to

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Unit Code	Unit title	Relationship	Comment in relation to MEA07 unit
			MEA105A
MEA107B	Interpret and use aviation maintenance industry manuals and specifications	Revised unit	Minor wording change in range statement and reformatting changes – equivalent to MEA107A
MEA108B	Complete aviation maintenance industry documentation	Revised unit	Minor wording change in range statement and reformatting changes – equivalent to MEA108A
MEA109B	Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance	Revised unit	Additional skill and knowledge requirements and expansion of range statement to align with CASA licensing syllabus – equivalent to MEA109A
MEA111B	Perform administrative processes to prepare for certification of civil aircraft maintenance	Revised unit	Amended to align with proposed CASA regulations relating to the B1 and B2 licences – equivalent to MEA111A
MEA112B	Plan and implement civil aircraft maintenance activities	Revised unit	Descriptor amended to align with proposed CASA regulations relating to the B1 and B2 licences – equivalent to MEA112A
MEA113B	Supervise civil aircraft maintenance activities and manage human resources in the workplace	Revised unit	Amended to align with proposed CASA regulations relating to the B1 and B2 licences – equivalent to MEA113A
MEA115B	Plan and implement aeronautical	New unit	

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Unit Code	Unit title	Relationship	Comment in relation to MEA07 unit
	product maintenance activities		
MEA116A	Apply occupational health and safety procedures at supervisor level in aviation maintenance	New unit	
MEA117A	Apply self in the aviation maintenance environment	New unit	
MEA118A	Conduct self in the aviation maintenance environment	New unit	
MEA119A	Perform administrative processes to prepare for certification of civil aircraft A level line maintenance	New unit	
MEA120A	Manage an aviation maintenance quality system	New unit	
MEA121A	Manage aircraft/aeronautical product configuration	New unit	
MEA122A	Manage aircraft/equipment system performance testing	New unit	
MEA123A	Manage aviation maintenance work environment policy and practices	New unit	
MEA124A	Coordinate change programs in the aviation maintenance environment	New unit	
MEA125A	Develop aviation maintenance personnel	New unit	
MEA126A	Manage aircraft maintenance activities	New unit	
MEA127A	Provide technical advice in the maintenance and management of aircraft and aeronautical product	New unit	
MEA128A	Provide engineering advice in the modification, maintenance	New unit	

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Unit Code	Unit title	Relationship	Comment in relation to MEA07 unit
	and management of aircraft systems		
MEA129A	Investigate technical aspects of aviation occurrences	New unit	
MEA130A	Manage deployed/detached aviation maintenance activities	New unit	
MEA131A	Manage the custody of aircraft, aeronautical product and support equipment	New unit	
MEA132A	Manage budgetary resources in the aviation maintenance environment	New unit	
MEA133A	Communicate aviation technical and maintenance management knowledge	New unit	
MEA134A	Establish, maintain and evaluate the organisation's occupational health and safety system	New unit	
MEA135A	Use computers in aviation maintenance-related integrated logistic support activities	New unit	
MEA136A	Assess aviation maintenance spares and manage repairable items	New unit	
MEA137A	Write aviation technical publications	New unit	
MEA138A	Perform aviation technical publication management activities	New unit	
MEA139A	Perform aviation maintenance – related integrated logistic support management activities	New unit	
MEA140A	Supervise aviation maintenance teams and perform maintenance	New unit	

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Unit Code	Unit title	Relationship	Comment in relation to MEA07 unit
	quality inspections		
MEA141A	Manage risk in aviation maintenance	New unit	
MEA142A	Manage self in the aviation maintenance environment	New unit	
MEA143A	Develop and manage maintenance error management programs	New unit	
MEA201B	Remove and install miscellaneous aircraft electrical hardware/components	Revised unit	Changes to unit descriptor and required knowledge to align with CASA licensing syllabus – equivalent to MEA201A
MEA202B	Remove and install basic aircraft electrical system components	Revised unit	Unchanged apart from layout and wording changes associated with reformatting – equivalent to MEA202A
MEA203B	Remove and install advanced aircraft electrical system components	Revised unit	Changes to unit descriptor and skills and knowledge to align with CASA licensing syllabus and to range statement to clarify coverage of the unit – equivalent to MEA203A
MEA204B	Remove and install basic aircraft instrument system components	Revised unit	Unchanged apart from wording changes associated with reformatting and equivalent to MEA204A
MEA205B	Remove and install advanced aircraft instrument system	Revised unit	Unchanged apart from wording changes associated with

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Unit Code	Unit title	Relationship	Comment in relation to MEA07 unit
	components		reformatting and equivalent to MEA205A
MEA206B	Remove and install aircraft basic radio communication and navigation system components	Revised unit	Unchanged apart from wording changes associated with reformatting and equivalent to MEA206A
MEA207B	Remove and install aircraft electronic system components	Revised unit	Changes to required knowledge to align with CASA licensing syllabus – equivalent to MEA207A
MEA208B	Remove and install aircraft pressurisation control system components	Revised unit	Unit descriptor amended to reflect CASA licensing requirements – equivalent to MEA208A
MEA209B	Remove and install aircraft oxygen system components	Revised unit	Unit descriptor amended to reflect CASA licensing requirements and range statement amended to better align with MEA222B – equivalent to MEA209A
MEA210B	Inspect, test and troubleshoot basic aircraft electrical systems and components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA210A
MEA211B	Inspect, test and troubleshoot advanced aircraft electrical systems and components	Revised unit	Unit descriptor amended to reflect CASA licensing requirements and changes associated with reformatting –

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Unit Code	Unit title	Relationship	Comment in relation to MEA07 unit
			equivalent to MEA211A
MEA212B	Inspect, test and troubleshoot basic aircraft instrument systems and components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA212A
MEA213B	Inspect, test and troubleshoot advanced aircraft instrument systems	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA213A
MEA214B	Inspect, test and troubleshoot aircraft basic communication and radio navigation systems and components	Revised unit	Knowledge requirements amended to cover CASA licensing syllabus requirements and changes related to reformatting – equivalent to MEA214A
MEA215B	Inspect, test and troubleshoot advanced aircraft communications systems and components	Revised unit	Knowledge requirements amended to cover CASA licensing syllabus requirements and changes related to reformatting – equivalent to MEA215A
MEA216B	Inspect, test and troubleshoot instrument landing systems and components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA216A
MEA217B	Inspect, test and troubleshoot fixed wing autopilot systems and	Revised unit	Unchanged apart from wording and layout

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Unit Code	Unit title	Relationship	Comment in relation to MEA07 unit
	components		changes associated with reformatting – equivalent to MEA217A
MEA218B	Inspect, test and troubleshoot rotary wing autopilot systems and components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA218A
MEA219B	Inspect, test and troubleshoot aircraft pressurisation control systems and components	Revised unit	Unit descriptor amended to reflect CASA licensing requirements and changes associated with reformatting – equivalent to MEA219A
MEA220B	Inspect, test and troubleshoot aircraft primary radar systems and components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA220A
MEA221B	Inspect, test and troubleshoot aircraft secondary radar systems and components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA221A
MEA222B	Inspect, test and troubleshoot aircraft oxygen systems and components	Revised unit	Unit descriptor amended to reflect CASA licensing requirements and changes associated with reformatting – equivalent to MEA222A
MEA223B	Inspect aircraft electrical systems	Revised unit	Unit descriptor amended to reflect

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Unit Code	Unit title	Relationship	Comment in relation to MEA07 unit
	and components		CASA licensing requirements and minor change to knowledge requirements and changes associated with reformatting – equivalent to MEA223A
MEA224B	Inspect aircraft instrument systems and components	Revised unit	Amended to delete references to pressurisation control in line with CASA licensing requirements and changes associated with reformatting – equivalent to MEA224A
MEA225B	Inspect fixed wing aircraft automatic flight control systems and components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA225A
MEA226B	Inspect aircraft electronic systems and components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA226A
MEA227B	Test and troubleshoot aircraft electrical systems and components	Revised unit	Unit descriptor amended to reflect CASA licensing requirements and changes associated with reformatting – equivalent to MEA227A
MEA228B	Test and troubleshoot aircraft instrument systems and components	Revised unit	Amended to delete references to pressurisation control in line with CASA

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Unit Code	Unit title	Relationship	Comment in relation to MEA07 unit
			licensing requirements and changes associated with reformatting – equivalent to MEA228A
MEA229B	Test and troubleshoot aircraft radio frequency navigation and communications systems and components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA229A
MEA230B	Test and troubleshoot fixed wing aircraft automatic flight control systems and components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA230A
MEA231B	Inspect, test and troubleshoot rotary wing aircraft automatic flight control systems and components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA231A
MEA232B	Test and troubleshoot aircraft pulse systems and components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA232A
MEA233B	Inspect, test and troubleshoot aircraft inertial navigation and reference systems and components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA233A
MEA234B	Inspect, test and troubleshoot aircraft global navigation systems and components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to

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Unit Code	Unit title	Relationship	Comment in relation to MEA07 unit
			MEA234A
MEA235B	Perform advanced troubleshooting in aircraft avionic maintenance	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA235A
MEA238B	Perform routine removal and installation of miscellaneous aircraft electrical hardware/components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA238A
MEA239B	Fabricate aircraft electrical looms and harnesses	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA239A
MEA240B	Use electrical test equipment to perform basic electrical tests	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA240A
MEA241B	Perform aircraft weight and balance calculations as a result of modifications	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA241A
MEA246B	Fabricate and/or repair aircraft electrical hardware or parts	Revised unit	Unit descriptor amended to reflect CASA licensing requirements and changes associated with reformatting – equivalent to MEA246A

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Unit Code	Unit title	Relationship	Comment in relation to MEA07 unit
MEA247B	Repair or overhaul aircraft electrical/electro-mechanical components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA247A
MEA248B	Repair or overhaul aircraft instrument and display system components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA248A
MEA249B	Test, align and troubleshoot analogue circuitry	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA249A
MEA250B	Test, align and troubleshoot digital circuitry	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA250A
MEA251B	Repair or overhaul aircraft oxygen system components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA251A
MEA252B	Test, align and troubleshoot aircraft synchro and servo system components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA252A
MEA258B	Repair or overhaul aircraft audio and visual systems and reproducers	Revised unit	Unchanged apart from wording and layout changes associated with

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Unit Code	Unit title	Relationship	Comment in relation to MEA07 unit
			reformatting – equivalent to MEA258A
MEA260B	Use electrical test equipment	Revised unit	Descriptor amended to reflect CASA licensing requirements and changes associated with reformatting – equivalent to MEA260A
MEA261B	Use electronic test equipment	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA261A
MEA262B	Modify/repair aircraft component single layer printed circuit boards	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA262A
MEA263B	Modify/repair aircraft component multi-layer printed circuit boards	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA263A
MEA264A	Remove and install aircraft electrical/avionic components during line maintenance	New unit	
MEA265A	Remove and install general aircraft electrical hardware	New unit	
MEA270A	Lay out avionic systems	New unit	
MEA271A	Lay out avionic flight management systems	New unit	
MEA272A	Apply basic scientific principles	New unit	

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Unit Code	Unit title	Relationship	Comment in relation to MEA07 unit
	and techniques in avionic engineering situations		
MEA273A	Select and test avionic engineering materials	New unit	
MEA301B	Perform aircraft flight servicing	Revised unit	Amended to align with the CASA licensing syllabus and changes associated with reformatting – equivalent to MEA301A
MEA302B	Remove and install aircraft hydro-mechanical and landing gear system components	Revised unit	Revised layout to better align with the Log of Industrial Experience and Achievement and changes associated with reformatting – equivalent to MEA302A
MEA303B	Remove and install aircraft pneumatic system components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA303A
MEA304B	Remove and install non-pressurised aircraft structural and non-structural components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA304A
MEA305B	Remove and install aircraft fixed wing flight control system components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA305A
MEA306B	Remove and install engines and	Revised unit	Unchanged apart from wording and layout

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Unit Code	Unit title	Relationship	Comment in relation to MEA07 unit
	engine system components		changes associated with reformatting – equivalent to MEA306A
MEA307B	Remove and install propeller systems and components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA307A
MEA308B	Remove and install rotary wing rotor and flight control system components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA308A
MEA309B	Inspect, test and troubleshoot aircraft hydro-mechanical and landing gear systems and components	Revised unit	Revised layout to better align with the Log of Industrial Experience and Achievement and changes associated with reformatting – equivalent to MEA309A
MEA310B	Inspect, test and troubleshoot aircraft pneumatic systems and components	Revised unit	Range statement amended and changes associated with reformatting – equivalent to MEA310A
MEA311B	Inspect and repair/modify aircraft structures	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA311A
MEA312B	Inspect, test and troubleshoot aircraft fixed wing flight control systems and components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting –

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Unit Code	Unit title	Relationship	Comment in relation to MEA07 unit
			equivalent to MEA312A
MEA313B	Inspect, test and troubleshoot piston engine systems and components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA313A
MEA314B	Inspect, test and troubleshoot gas turbine engine systems and components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA314A
MEA315B	Inspect, test and troubleshoot propeller systems and components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA315A
MEA316B	Inspect, test and troubleshoot rotary wing rotor and control systems and components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA316A
MEA317B	Remove and install pressurised aircraft structural and non-structural components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA317A
MEA318B	Inspect aircraft hydro-mechanical, mechanical, gaseous and landing gear systems and components	Revised unit	Revised layout to better align with the Log of Industrial Experience and Achievement, amendment to knowledge requirements to align with CASA licensing

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Unit Code	Unit title	Relationship	Comment in relation to MEA07 unit
			syllabus and changes associated with reformatting – equivalent to MEA318A
MEA319B	Inspect gas turbine engine systems and components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA319A
MEA320B	Test and troubleshoot aircraft hydro-mechanical, mechanical, gaseous and landing gear systems and components	Revised unit	Revised layout to better align with the Log of Industrial Experience and Achievement and changes associated with reformatting – equivalent to MEA320A
MEA321B	Test and troubleshoot aircraft fixed wing flight control systems and components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA321A
MEA322B	Test and troubleshoot gas turbine engine systems and components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA322A
MEA323B	Perform advanced troubleshooting in aircraft mechanical maintenance	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA323A
MEA324B	Perform structural repair/modification assessment	Revised unit	Unchanged apart from wording and layout changes associated with

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Unit Code	Unit title	Relationship	Comment in relation to MEA07 unit
	and evaluation		reformatting – equivalent to MEA324A
MEA325B	Weigh aircraft and perform aircraft weight and balance calculations as a result of modifications	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA325A
MEA327B	Fabricate and/or repair aircraft mechanical components or parts	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA327A
MEA328B	Maintain and/or repair aircraft mechanical components or parts	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA328A
MEA329B	Dismantle, inspect, maintain and assemble aircraft basic hydraulic and pneumatic components or parts	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA329A
MEA330B	Dismantle, inspect, maintain and assemble aircraft non-primary structural removable components or parts and internal fittings	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA330A
MEA331B	Dismantle, inspect, maintain and assemble aircraft gas turbine engine components or parts	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA331A

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Unit Code	Unit title	Relationship	Comment in relation to MEA07 unit
MEA332B	Dismantle, inspect, maintain and assemble aircraft mechanical components or parts	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA332A
MEA333B	Dismantle, inspect, maintain and assemble aircraft piston engine components or parts	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA333A
MEA334B	Repair and/or overhaul aircraft hydro-mechanical systems and components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA334A
MEA335B	Repair and/or overhaul aircraft gas turbine engine components and/or modules	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA335A
MEA336B	Repair and/or overhaul aircraft piston engines	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA336A
MEA337B	Repair and/or overhaul propellers	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA337A
MEA338B	Repair and/or overhaul rotary wing dynamic components	Revised unit	Unchanged apart from wording and layout changes associated with

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Unit Code	Unit title	Relationship	Comment in relation to MEA07 unit
			reformatting – equivalent to MEA338A
MEA339A	Inspect, repair and maintain aircraft structures	New unit	
MEA340A	Lay out and set up aircraft systems	New unit	
MEA341A	Apply basic aircraft design characteristics	New unit	
MEA342A	Apply basic aircraft power plant design characteristics	New unit	
MEA343A	Remove and install avionic system components	New unit	Replaces MEA326A
MEA344A	Remove and install aircraft components	New unit	
MEA345A	Perform scheduled line maintenance activities on gas turbine engine fixed wing aircraft	New unit	
MEA346A	Perform scheduled line maintenance activities on gas turbine engine rotary wing aircraft	New unit	
MEA347A	Perform scheduled line maintenance activities on piston engine fixed wing aircraft	New unit	
MEA348A	Perform scheduled line maintenance activities on piston engine rotary wing aircraft	New unit	
MEA349A	Apply basic scientific principles and techniques in aeronautical engineering situations	New unit	
MEA350A	Select and test avionic engineering materials	New unit	

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Unit Code	Unit title	Relationship	Comment in relation to MEA07 unit
MEA401B	Inspect aircraft structures	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA401A
MEA402B	Fabricate aircraft structural components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA402A
MEA403B	Repair/modify aircraft structure	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA403A
MEA404B	Disassemble and reassemble aircraft structure for major repair or modification	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA404A
MEA405B	Repair/modify aircraft composite material structure/components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA405A
MEA406B	Repair/modify aircraft non-primary structural sheetmetal components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA406A
MEA407B	Repair/modify aircraft non-primary structural non-metallic components	Revised unit	Unchanged apart from wording and layout changes associated with

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Unit Code	Unit title	Relationship	Comment in relation to MEA07 unit
			reformatting – equivalent to MEA407A
MEA408B	Inspect and repair aircraft wooden structures	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA408A
MEA409B	Inspect, test, repair and re-cover aircraft fabric surfaces	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA409A
MEA410B	Maintain aircraft structure/components	Revised unit	Unchanged apart from wording and layout changes associated with reformatting – equivalent to MEA410A
MEA411A	Remove surface coatings from aircraft or aircraft components	New unit	
MEA412A	Pre-treat aluminium alloy surfaces	New unit	
MEA413A	Seal aircraft and aircraft component structural seams	New unit	
MEA414A	Remove light corrosion from aircraft	New unit	
MEA415A	Paint aircraft surfaces	New unit	
MEA416A	Apply aircraft identification markings, graphics and decals	New unit	
MEA417A	Apply specialty coatings to aircraft	New unit	
MEA418A	Perform basic repair of aircraft	New unit	

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Unit Code	Unit title	Relationship	Comment in relation to MEA07 unit
	internal fittings during line maintenance		
Imported Units of Competency			
MEM17001B	Assist in development and deliver training in the workplace	New to this Training Package	
MEM17002B	Conduct workplace assessment	New to this Training Package	
MEM08013B	Prepare surfaces by abrasive blasting (advanced)	New to this Training Package	
MEM24002B	Perform penetrant testing	New to this Training Package	
MEM24012B	Apply metallurgy principles	New to this Training Package	
MEM30007A	Select common engineering materials	New to this Training Package	
MEM30012A	Apply mathematical techniques in a manufacturing engineering or related environment	New to this Training Package	
AURV229749A	Prepare spray painting materials and equipment	New to this Training Package	
AURV329603DA	Apply air dry and polyurethane enamel refinishing material	New to this Training Package	
BSBMGT503A	Prepare budgets and financial plans	New to this Training Package	

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Unit Code	Unit title	Relationship	Comment in relation to MEA07 unit
BSBMGT504A	Manage budgets and financial plans	New to this Training Package	
PSPMNGT610A	Manage public sector financial resources	New to this Training Package	

Mapping of Qualifications

MSA07v3 to MEA07v2

MEA07v3 qualification code and title		MEA07v2	Comment in relation to the previous versions of the Training Package
MEA20410	Certificate II in Aeroskills	MEA20407	Sustainability unit added as a mandatory unit, no change to technical outcomes – not equivalent
MEA20510	Certificate II in Aircraft Line Maintenance	MEA20507	Sustainability unit added as a mandatory unit, no change to technical outcomes – not equivalent
MEA20610	Certificate II in Aircraft Surface Finishing	MEA20607	Sustainability unit added as a mandatory unit, no change to technical outcomes– not equivalent
MEA30110	Certificate III in Aircraft Surface Finishing	MEA30107	Sustainability unit added as a mandatory unit, no change to technical outcomes–

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			not equivalent
MEA30310	Certificate III in Aircraft Life Support and Furnishing	MEA30309	Sustainability unit added as a mandatory unit, no change to technical outcomes– not equivalent
MEA40610	Certificate IV in Aeroskills (Avionics)	MEA40607	Sustainability unit added as a mandatory unit Revised component workshop units and training pathway Elective small aircraft maintenance units added no change to technical outcomes– not equivalent
MEA40710	Certificate IV in Aeroskills (Mechanical)	MEA40707	Sustainability unit added as a mandatory unit Revised component workshop units and training pathway Elective small aircraft maintenance units added no change to technical outcomes – not equivalent
MEA40810	Certificate IV in Aeroskills (Structures)	MEA40807	Sustainability unit added as a mandatory unit, no change to technical outcomes– not equivalent
MEA40910	Certificate IV in Aircraft Surface Finishing	MEA40907	Sustainability unit added as a mandatory unit, no change to technical outcomes– not equivalent

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MEA41110	Certificate IV in Aircraft Life Support and Furnishing	MEA41109	Sustainability unit added as a mandatory unit, no change to technical outcomes– not equivalent
MEA41210	Certificate IV in Aeroskills (Armament)	New Qualification	
MEA50110	Diploma of Aeroskills (Avionics)	MEA50107	Sustainability unit added as a mandatory unit, no change to technical outcomes– not equivalent
MEA50210	Diploma of Aeroskills (Mechanical)	MEA50207	Sustainability unit added as a mandatory unit Mandatory unit MEA365A replaces MEA324B no change to technical outcomes – not equivalent
MEA50310	Diploma of Aviation Maintenance Management (Avionics)	MEA50307	Sustainability unit added as a mandatory unit, no change to technical outcomes– not equivalent
MEA50410	Diploma of Aviation Maintenance Management (Mechanical)	MEA50407	Sustainability unit added as a mandatory unit, no change to technical outcomes– not equivalent
MEA60110	Advanced Diploma of Aviation Maintenance Management (Avionics)	MEA60107	Sustainability unit added as a mandatory unit Units revised where necessary to update CASA references no change to technical outcomes– not

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			equivalent
MEA60210	Advanced Diploma of Aviation Maintenance Management (Mechanical)	MEA60207	Sustainability unit added as a mandatory unit Units revised where necessary to update CASA references no change to technical outcomes– not equivalent

MEA07v2 to MEA07v1 and MEA07v1 to MEA97v4

MEA07v2 qualification code and title		**MEA07v1**	**Comment in relation to the previous versions of the Training Package**
MEA20407	Certificate II in Aeroskills	Unchanged	
MEA20507	Certificate II in Aircraft Line Maintenance	Unchanged	
MEA20607	Certificate II in Aircraft Surface Finishing	Unchanged	
MEA30107	Certificate III in Aircraft Surface Finishing	Unchanged	
MEA30309	Certificate III in Aircraft Life Support and Furnishing	New Qualification	Replaces *PUA31706 Certificate III in Public Safety (Aviation Life Support Maintenance)* – expanded choice of electives with wider coverage
MEA40607	Certificate IV in Aeroskills (Avionics)	Unchanged	
MEA40707	Certificate IV in	Unchanged	

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	Aeroskills (Mechanical)		
MEA40807	Certificate IV in Aeroskills (Structures)	Unchanged	
MEA40907	Certificate IV in Aircraft Surface Finishing	Unchanged	
MEA41109	Certificate IV in Aircraft Life Support and Furnishing	New Qualification	
MEA50107	Diploma of Aeroskills (Avionics)	Unchanged	
MEA50207	Diploma of Aeroskills (Mechanical)	Unchanged	
MEA50307	Diploma of Aviation Maintenance Management (Avionics)	Unchanged	
MEA50407	Diploma of Aviation Maintenance Management (Mechanical)	Unchanged	
MEA60107	Advanced Diploma of Aviation Maintenance Management (Avionics)	Unchanged	
MEA60207	Advanced Diploma of Aviation Maintenance Management (Mechanical)	Unchanged	
MEA07v1		**MEA97v4**	
MEA20407	Certificate II in Aeroskills	Replaces MEA20401	Outcomes are unchanged
MEA20507	Certificate II in Aircraft Line Maintenance	New Qualification	
MEA20607	Certificate II in Aircraft Surface Finishing	New Qualification	
MEA30107	Certificate III in Aircraft	New Qualification	

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	Surface Finishing		
MEA40607	Certificate IV in Aeroskills (Avionics)	Replaces MEA40602	Change in packaging requirements for the qualification but outcomes are equivalent
MEA40707	Certificate IV in Aeroskills (Mechanical)	Replaces MEA40702	Change in packaging requirements for the qualification but outcomes are equivalent
MEA40807	Certificate IV in Aeroskills (Structures)	Replaces MEA40802	Outcomes are unchanged
MEA40907	Certificate IV in Aircraft Surface Finishing	New Qualification	
MEA50107	Diploma of Aeroskills (Avionics)	Replaces MEA50104	Change in packaging requirements for the qualification but licensing outcomes are equivalent
MEA50207	Diploma of Aeroskills (Mechanical)	Replaces MEA50204	Change in packaging requirements for the qualification but licensing outcomes are equivalent
MEA50307	Diploma of Aviation Maintenance Management (Avionics)	New Qualification	
MEA50407	Diploma of Aviation Maintenance Management (Mechanical)	New Qualification	
MEA60107	Advanced Diploma of Aviation Maintenance Management (Avionics)	New Qualification	
MEA60207	Advanced Diploma of Aviation Maintenance Management (Mechanical)	New Qualification	

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Overview

What is a Training Package?

A Training Package is an integrated set of nationally endorsed competency standards, assessment guidelines and Australian Qualifications Framework (AQF) qualifications for a specific industry, industry sector or enterprise.

Each Training Package:

- provides a consistent and reliable set of components for training, recognising and assessing peoples skills, and may also have optional support materials
- enables nationally recognised qualifications to be awarded through direct assessment of workplace competencies
- encourages the development and delivery of flexible training which suits individual and industry requirements
- encourages learning and assessment in a work-related environment which leads to verifiable workplace outcomes.

How do Training Packages fit within the National Skills Framework?

The National Skills Framework applies nationally, is endorsed by the Ministerial Council for Vocational and Technical Education, and comprises the Australian Quality Training Framework 2010 (AQTF 2010), and Training Packages endorsed by the National Quality Council (NQC).

How are Training Packages developed?

Training Packages are developed by Industry Skills Councils or enterprises to meet the identified training needs of specific industries or industry sectors. To gain national endorsement of Training Packages, developers must provide evidence of extensive research, consultation and support within the industry area or enterprise.

How do Training Packages encourage flexibility?

Training Packages describe the skills and knowledge needed to perform effectively in the workplace without prescribing how people should be trained. Training Packages acknowledge that people can achieve vocational competency in many ways by emphasising what the learner can do, not how or where they learned to do it. For example, some experienced workers might be able to demonstrate competency against the units of competency, and even gain a qualification, without completing a formal training program.

With Training Packages, assessment and training may be conducted at the workplace, off-the-job, at a training organisation, during regular work, or through work experience, work placement, work simulation or any combination of these.

Who can deliver and assess using Training Packages?

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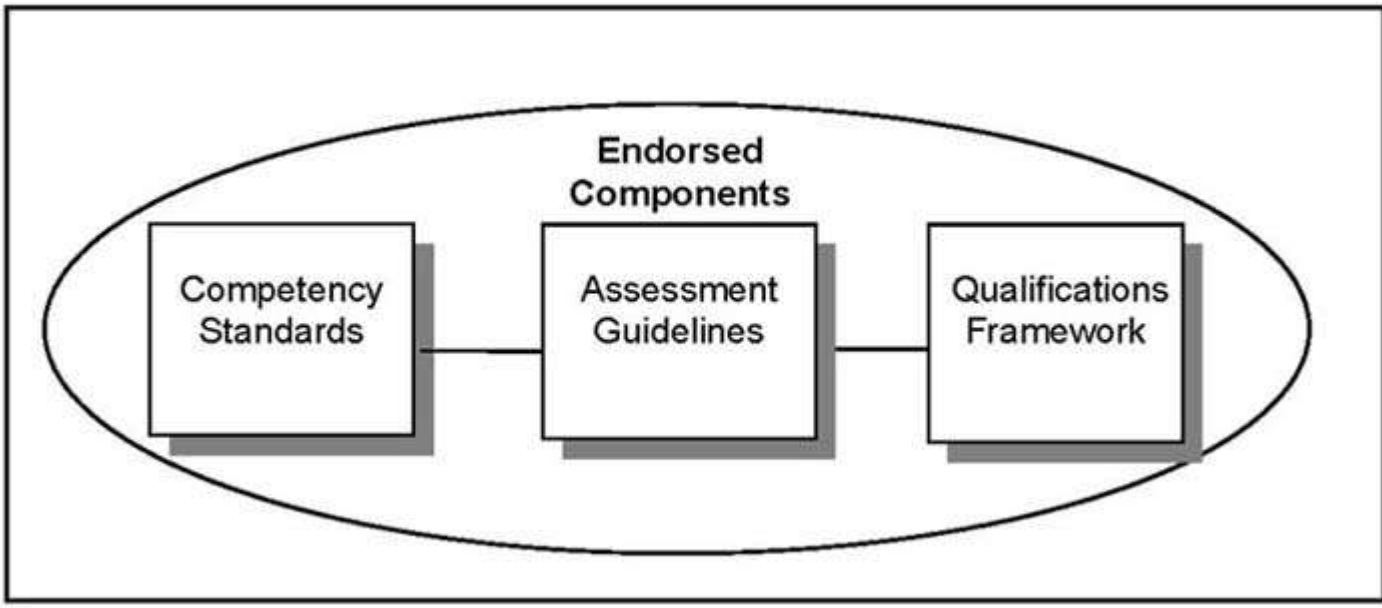
Training and assessment using Training Packages must be conducted by a Registered Training Organisation (RTO) that has the qualifications or specific units of competency on its scope of registration, or that works in partnership with another RTO, as specified in the AQTF 2010.

Training Package Components

Training Packages are made up of mandatory components endorsed by the NQC, and optional support materials.

Training Package Endorsed Components

The nationally endorsed components include the Competency Standards, Assessment Guidelines and Qualifications Framework. These form the basis of training and assessment in the Training Package and, as such, they must be used.



Competency Standards

Each unit of competency identifies a discrete workplace requirement and includes the knowledge and skills that underpin competency as well as language, literacy and numeracy; and occupational health and safety requirements. The units of competency must be adhered to in training and assessment to ensure consistency of outcomes.

Assessment Guidelines

The Assessment Guidelines provide an industry framework to ensure all assessments meet industry needs and nationally agreed standards as expressed in the Training Package and the AQTF 2010. The Assessment Guidelines must be followed to ensure the integrity of assessment leading to nationally recognised qualifications.

Qualifications Framework

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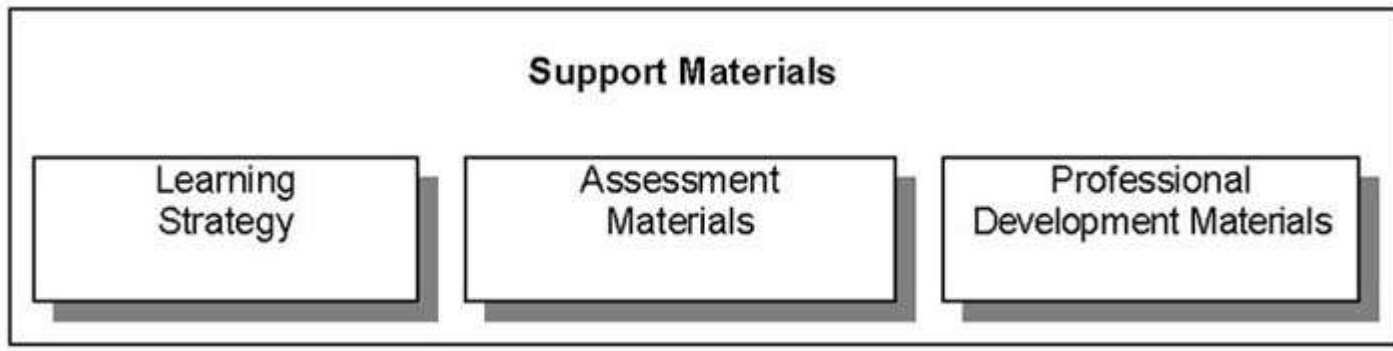
Each Training Package provides details of those units of competency that must be achieved to award AQF qualifications. The rules around which units of competency can be combined to make up a valid AQF qualification in the Training Package are referred to as the "packaging rules". The packaging rules must be followed to ensure the integrity of nationally recognised qualifications issued.

Training Package Support Materials

The endorsed components of Training Packages are complemented and supported by optional support materials that provide for choice in the design of training and assessment to meet the needs of industry and learners.

Training Package support materials can relate to single or multiple units of competency, an industry sector, a qualification or the whole Training Package. They tend to fall into one or more of the categories illustrated below.



Training Package support materials are produced "by a range of stakeholders such as RTOs, individual trainers and assessors, private and commercial developers and Government agencies.

Where such materials have been quality assured through a process of "noting" by the NQC, they display the following official logo. Noted support materials are listed on the National Training Information Service (NTIS), together with a detailed description and information on the type of product and its availability < www.ntis.gov.au>.

It is not compulsory to submit support materials for noting; any resources that meet the requirements of the Training Package can be used.

Training Package, Qualification and Unit of Competency Codes

There are agreed conventions for the national codes used for Training Packages and their components. Always use the correct codes, exactly as they appear in the Training Package, **and with the code always before the title**.

Training Package Codes

Each Training Package has a unique five-character national code assigned when the Training Package is endorsed, for example MEA07. The first three characters are letters identifying the Training Package industry coverage and the last two characters are numbers identifying the year of endorsement.

Qualification Codes

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Within each Training Package, each qualification has a unique eight-character code, for example MEA20410. Qualification codes are developed as follows:

- the first three letters identify the Training Package;
- the first number identifies the qualification level (noting that, in the qualification titles themselves, arabic numbers are **not** used);
- the next two numbers identify the position in the sequence of the qualification at that level; and
- the last two numbers identify the year in which the qualification was endorsed. (Where qualifications are added after the initial Training Package endorsement, the last two numbers may differ from other Training Package qualifications as they identify the year in which those particular qualifications were endorsed.)

Unit of Competency Codes

Within each Training Package, each unit of competency has a unique code. Unit of competency codes are assigned when the Training Package is endorsed, or when new units of competency are added to an existing endorsed Training Package. Unit codes are developed as follows:

- a typical code is made up of 12 characters, normally a mixture of uppercase letters and numbers, as in MEA114A;
- the first three characters signify the Training Package - MEA07 - in the above example and up to eight characters, relating to an industry sector, function or skill area, follow;
- the last character is always a letter and identifies the unit of competency version. An "A" at the end of the code indicates that this is the original unit of competency. "B", or another incremented version identifier means that minor changes have been made. Typically this would mean that wording has changed in the range statement or evidence guide, providing clearer intent; and
- where changes are made that alter the outcome, a new code is assigned and the title is changed.

Training Package, Qualification and Unit of Competency Titles

There are agreed conventions for titling Training Packages and their components. Always use the correct titles, exactly as they appear in the Training Package, and with the code always placed before the title.

Training Package Titles

The title of each endorsed Training Package is unique and relates the Training Packages broad industry coverage.

Qualification Titles

The title of each endorsed Training Package qualification is unique. Qualification titles use the following sequence:

- first, the qualification is identified as either Certificate I, Certificate II, Certificate III, Certificate IV, Diploma, Advanced Diploma, Vocational Graduate Certificate, or Vocational Graduate Diploma;

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- this is followed by the words "in" for Certificates I to IV, and "of" for Diploma, Advanced Diploma, Vocational Graduate Certificate and Vocational Graduate Diploma;
- then, the industry descriptor, for example Telecommunications; and
- then, if applicable, the occupational or functional stream in brackets, for example (Computer Systems).

For example:

- MEA20410 Certificate II in Aeroskills

Unit of Competency Titles

Each unit of competency title is unique. Unit of competency titles describe the competency outcome concisely, and are written in sentence case.

For example:

- MEA101B Interpret occupational health and safety practices in aviation maintenance.

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Historical and General Information

Historical and General Information

Introduction to the MEA07 Aeroskills Training Package Version 3

The MEA07 Aeroskills Training Package is a reviewed Training Package that replaced the MEA97 Aeroskills Training Package Version 4.00. MEA07 introduced a number of new qualifications and Units of Competency, and the training pathways to a number of the qualifications were varied to either increase flexibility, or to align with revised Civil Aviation Safety Authority (CASA) licensing requirements and related transitional arrangements covered by Civil Aviation Order (CAO) 100.66 Instrument 2006.

A number of further changes that could not be introduced in MEA07 were foreshadowed for progressive development and introduction in later versions of the Training Package. These were identified as:

- Transfer of Aircraft Life Support from the Public Safety Training Package
- Revision of component workshop units of competency, qualifications and training pathways
- Introduction of qualifications, training pathways and units of competency required to cover the maintenance of small aircraft in the General Aviation industry sector and CASA Aircraft Maintenance Engineer licensing for certification of small aircraft maintenance and release to service after maintenance
- Coverage of Non-Destructive Testing
- Coverage of aircraft welding.

Version 2 of MEA07 introduced Certificate III and IV qualifications in Aircraft Life Support and Furnishing and also covered a number of changes required to support CASA changes to the A, B1 and B2 Aircraft Maintenance Engineer licence privileges and required knowledge.

Version 3 introduces a Certificate IV qualification in Armament plus applicable technical stream units of competency that were sought by the ADF and covers maintenance of aircraft egress systems, stores suspension and stores management systems. Preparation, loading and maintenance of explosive ordnance and missiles is not covered and will remain with the Public Safety Training Package. Also included in Version 3 are:

- Revised component maintenance workshop units and qualification pathways
- Avionic and Mechanical small aircraft maintenance units of competency that were developed in concert with the CASA B3 Team which included broad representation of General Aviation stakeholders (qualifications specific to this industry sector cannot be included until CASA makes a final decision on the future licence structure for small aircraft maintenance)
- Sustainability units of competency have been added as an additional mandatory unit to all qualifications in line with government direction
- Revised Aircraft Maintenance Management units and qualifications in which updated references to Civil Aviation Safety Regulations have been included

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Historical and General Information

- Update of some units in line with requests from industry stakeholders, Regulators and RTOs
- Skill Sets that are required to meet evolving regulatory requirements

The inclusion of Non-Destructive Testing (NDT) and Aircraft Welding is not yet possible. The Standards that underpin NDT are under review and the outcome may impact on the draft qualifications, units and Skill Sets. Draft aircraft welding units of competency and Skill Sets have been developed in consultation with CASA and the ADF, but their inclusion in MEA07 has to await the finalisation of the relevant CASA Manual of Standards and Acceptable Means of Compliance.

The draft MEA07 Version 3 has been processed through the standard MSC processes involving quality and equity reviews, review by State Training Authorities and by the Aerospace Education and Training Reference Group.

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Introduction to the MEA07 Aeroskills Training Package

Introduction to the Industry

The Australian Aerospace Industry Aviation Maintenance Sector

The MEA07 Aeroskills Training Package covers the Aviation Maintenance Sector of the Australian Aerospace Industry. This sector covers maintenance performed on aircraft and their components in support of both civil and military aviation by a workforce of about 15,000 civilian and ADF personnel.

On the civil side, the workforce ranges from airlines employing large numbers of maintenance personnel to medium and small general aviation organisations that may employ as few as two or three individuals. In both the airline and general aviation areas there are third party maintenance organisations that support aircraft operators on a contractual basis. Again, these organisations vary in size from hundreds of maintenance personnel down to organisations with fewer than 10 personnel. Some maintenance organisations maintain both aircraft and their components while others maintain either complete aircraft or a range of aircraft components.

Military aviation consists of the three Services of the ADF where maintenance work is performed by uniformed personnel, plus a large network of contractors with civilian workforces that perform the deeper maintenance of most aircraft types and most component maintenance. The defence contractors are typically large aerospace organisations, or subsidiaries thereof. Many have a number of contracts and operate from a number of sites that may be geographically remote from one another.

Those involved in the maintenance of civil aircraft work under an extensive range of regulations that are aimed at ensuring a high level of flight safety and rely on licensed and specifically authorised individuals for the certification of maintenance. Those involved in the maintenance of State (military) aircraft and their components operate under a range of ADF regulations and standards that are also aimed at ensuring a high level of flight safety. Under the ADF system the certification of maintenance is based on task authorisation and levels of maintenance quality inspection. In both cases, the level of regulation relates to the old adage in aviation maintenance that "in the air you can’t get out and fix something that has gone wrong and seemingly minor maintenance errors can have catastrophic consequences".

The importance of safe and efficient aviation services to the national economy cannot be overstated.

Aviation is of considerable importance in the use of often complex and very expensive equipment for the rapid transportation of people and cargo, in the provision of aerial work services to agriculture and in fire fighting. Military aviation is of considerable importance to national defence, and in the provision of services to the community at times of national disaster.

Aviation maintenance is thus a key national industry sector. It is diverse, highly technical and uses advanced technologies. It operates in a multi-billion dollar capital equipment environment and high quality and maximum safety requirements and standards are critical.

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Introduction to the Industry

Qualifications Framework

The Australian Qualifications Framework

What is the Australian Qualifications Framework?

A brief overview of the Australian Qualifications Framework (AQF) follows. For a full explanation of the AQF, see the *AQF Implementation Handbook*.
http://www.aqf.edu.au/Portals/0/Documents/Handbook/AQF_Handbook_07.pdf

The AQF provides a comprehensive, nationally consistent framework for all qualifications in post-compulsory education and training in Australia. In the vocational education and training (VET) sector it assists national consistency for all trainees, learners, employers and providers by enabling national recognition of qualifications and Statements of Attainment.

Training Package qualifications in the VET sector must comply with the titles and guidelines of the AQF. Endorsed Training Packages provide a unique title for each AQF qualification which must always be reproduced accurately.

Qualifications

Training Packages can incorporate the following eight AQF qualifications.

- Certificate I in ...
- Certificate II in ...
- Certificate III in ...
- Certificate IV in ...
- Diploma of ...
- Advanced Diploma of ...
- Vocational Graduate Certificate of ...
- Vocational Graduate Diploma of ...

On completion of the requirements defined in the Training Package, a Registered Training Organisation (RTO) may issue a nationally recognised AQF qualification. Issuance of AQF qualifications must comply with the advice provided in the *AQF Implementation Handbook* and the AQTF 2010 *Essential Standards for Initial and Continuing Registration*.

Statement of Attainment

A Statement of Attainment is issued by a Registered Training Organisation when an individual has completed one or more units of competency from nationally recognised qualification(s)/courses(s). Issuance of Statements of Attainment must comply with the advice provided in the current *AQF Implementation Handbook* and the AQTF 2010 *Essential Standards for Initial and Continuing Registration*.

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Under the AQTF 2010, RTOs must recognise the achievement of competencies as recorded on a qualification or Statement of Attainment issued by other RTOs. Given this, recognised competencies can progressively build towards a full AQF qualification.

AQF Guidelines and Learning Outcomes

The *AQF Implementation Handbook* provides a comprehensive guideline for each AQF qualification. A summary of the learning outcome characteristics and their distinguishing features for each VET related AQF qualification is provided below.

Certificate I

Characteristics of Learning Outcomes

Breadth, depth and complexity of knowledge and skills would prepare a person to perform a defined range of activities most of which may be routine and predictable.

Applications may include a variety of employment related skills including preparatory access and participation skills, broad-based induction skills and/or specific workplace skills. They may also include participation in a team or work group.

Distinguishing Features of Learning Outcomes

Do the competencies enable an individual with this qualification to:

- demonstrate knowledge by recall in a narrow range of areas;
- demonstrate basic practical skills, such as the use of relevant tools;
- perform a sequence of routine tasks given clear direction

receive and pass on messages/information.

Certificate II

Characteristics of Learning Outcomes

Breadth, depth and complexity of knowledge and skills would prepare a person to perform in a range of varied activities or knowledge application where there is a clearly defined range of contexts in which the choice of actions required is usually clear and there is limited complexity in the range of operations to be applied.

Performance of a prescribed range of functions involving known routines and procedures and some accountability for the quality of outcomes.

Applications may include some complex or non-routine activities involving individual responsibility or autonomy and/or collaboration with others as part of a group or team.

Distinguishing Features of Learning Outcomes

Do the competencies enable an individual with this qualification to:

- demonstrate basic operational knowledge in a moderate range of areas;
- apply a defined range of skills;
- apply known solutions to a limited range of predictable problems;
- perform a range of tasks where choice between a limited range of options is required;
- assess and record information from varied sources;
- take limited responsibility for own outputs in work and learning.

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Certificate III

Characteristics of Learning Outcomes

Breadth, depth and complexity of knowledge and competencies would cover selecting, adapting and transferring skills and knowledge to new environments and providing technical advice and some leadership in resolution of specified problems. This would be applied across a range of roles in a variety of contexts with some complexity in the extent and choice of options available.

Performance of a defined range of skilled operations, usually within a range of broader related activities involving known routines, methods and procedures, where some discretion and judgement is required in the section of equipment, services or contingency measures and within known time constraints.

Applications may involve some responsibility for others. Participation in teams including group or team co-ordination may be involved.

Distinguishing Features of Learning Outcomes

Do the competencies enable an individual with this qualification to:

- demonstrate some relevant theoretical knowledge
- apply a range of well-developed skills
- apply known solutions to a variety of predictable problems
- perform processes that require a range of well-developed skills where some discretion and judgement is required
- interpret available information, using discretion and judgement
- take responsibility for own outputs in work and learning
- take limited responsibility for the output of others.

Certificate IV

Characteristics of Learning Outcomes

Breadth, depth and complexity of knowledge and competencies would cover a broad range of varied activities or application in a wider variety of contexts most of which are complex and non-routine. Leadership and guidance are involved when organising activities of self and others as well as contributing to technical solutions of a non-routine or contingency nature.

Performance of a broad range of skilled applications including the requirement to evaluate and analyse current practices, develop new criteria and procedures for performing current practices and provision of some leadership and guidance to others in the application and planning of the skills. Applications involve responsibility for, and limited organisation of, others.

Distinguishing Features of Learning Outcomes

Do the competencies enable an individual with this qualification to:

- demonstrate understanding of a broad knowledge base incorporating some theoretical concepts
- apply solutions to a defined range of unpredictable problems

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- identify and apply skill and knowledge areas to a wide variety of contexts, with depth in some areas
- identify, analyse and evaluate information from a variety of sources
- take responsibility for own outputs in relation to specified quality standards
- take limited responsibility for the quantity and quality of the output of others.

Diploma

Characteristics of Learning Outcomes

Breadth, depth and complexity covering planning and initiation of alternative approaches to skills or knowledge applications across a broad range of technical and/or management requirements, evaluation and co-ordination.

The self directed application of knowledge and skills, with substantial depth in some areas where judgment is required in planning and selecting appropriate equipment, services and techniques for self and others.

Applications involve participation in development of strategic initiatives as well as personal responsibility and autonomy in performing complex technical operations or organising others. It may include participation in teams including teams concerned with planning and evaluation functions. Group or team co-ordination may be involved.

The degree of emphasis on breadth as against depth of knowledge and skills may vary between qualifications granted at this level.

Distinguishing Features of Learning Outcomes

Do the competencies or learning outcomes enable an individual with this qualification to:

- demonstrate understanding of a broad knowledge base incorporating theoretical concepts, with substantial depth in some areas
- analyse and plan approaches to technical problems or management requirements
- transfer and apply theoretical concepts and/or technical or creative skills to a range of situations
- evaluate information, using it to forecast for planning or research purposes
- take responsibility for own outputs in relation to broad quantity and quality parameters
- take some responsibility for the achievement of group outcomes.

Advanced Diploma

Characteristics of Learning Outcomes

Breadth, depth and complexity involving analysis, design, planning, execution and evaluation across a range of technical and/or management functions including development of new criteria or applications or knowledge or procedures.

The application of a significant range of fundamental principles and complex techniques across a wide and often unpredictable variety of contexts in relation to either varied or highly specific functions. Contribution to the development of a broad plan, budget or strategy is involved and accountability and responsibility for self and others in achieving the outcomes is involved.

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Applications involve significant judgement in planning, design, technical or leadership/guidance functions related to products, services, operations or procedures.

The degree of emphasis on breadth as against depth of knowledge and skills may vary between qualifications granted at this level.

Distinguishing Features of Learning Outcomes

Do the competencies or learning outcomes enable an individual with this qualification to:

- demonstrate understanding of specialised knowledge with depth in some areas
- analyse, diagnose, design and execute judgements across a broad range of technical or management functions
- generate ideas through the analysis of information and concepts at an abstract level
- demonstrate a command of wide-ranging, highly specialised technical, creative or conceptual skills
- demonstrate accountability for personal outputs within broad parameters
- demonstrate accountability for personal and group outcomes within broad parameters.

Vocational Graduate Certificate

Characteristics of competencies or learning outcomes

- The self-directed development and achievement of broad and specialised areas of knowledge and skills, building on prior knowledge and skills.
- Substantial breadth and complexity involving the initiation, analysis, design, planning, execution and evaluation of technical and management functions in highly varied and highly specialised contexts.
- Applications involve making significant, high-level, independent judgements in major broad or planning, design, operational, technical and management functions in highly varied and specialised contexts. They may include responsibility and broad-ranging accountability for the structure, management and output of the work or functions of others.
- The degree of emphasis on breadth, as opposed to depth, of knowledge and skills may vary between qualifications granted at this level.

Distinguishing features of learning outcomes

- Demonstrate the self-directed development and achievement of broad and specialised areas of knowledge and skills, building on prior knowledge and skills.
- Initiate, analyse, design, plan, execute and evaluate major broad or technical and management functions in highly varied and highly specialised contexts.
- Generate and evaluate ideas through the analysis of information and concepts at an abstract level.
- Demonstrate a command of wide-ranging, highly specialised technical, creative or conceptual skills in complex contexts.
- Demonstrate responsibility and broad-ranging accountability for the structure, management and output of the work or functions of others.

Vocational Graduate Diploma

Characteristics of competencies or learning outcomes

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- The self-directed development and achievement of broad and specialised areas of knowledge and skills, building on prior knowledge and skills.
- Substantial breadth, depth and complexity involving the initiation, analysis, design, planning, execution and evaluation of major functions, both broad and highly specialised, in highly varied and highly specialised contexts.
- Further specialisation within a systematic and coherent body of knowledge.
- Applications involve making high-level, fully independent, complex judgements in broad planning, design, operational, technical and management functions in highly varied and highly specialised contexts. They may include full responsibility and accountability for all aspects of work and functions of others, including planning, budgeting and strategy development.
- The degree of emphasis on breadth, as opposed to depth, of knowledge and skills may vary between qualifications granted at this level.

Distinguishing features of learning outcomes

- Demonstrate the self-directed development and achievement of broad and highly specialised areas of knowledge and skills, building on prior knowledge and skills.
- Initiate, analyse, design, plan, execute and evaluate major functions, both broad and within highly varied and highly specialised contexts.
- Generate and evaluate complex ideas through the analysis of information and concepts at an abstract level.
- Demonstrate an expert command of wide-ranging, highly specialised, technical, creative or conceptual skills in complex and highly specialised or varied contexts.
- Demonstrate full responsibility and accountability for personal outputs.
- Demonstrate full responsibility and accountability for all aspects of the work or functions of others, including planning, budgeting and strategy.
-

Qualification Pathways

Qualification Pathways

The following pathways charts are provided to show the types of pathways into and from qualifications that are possible with this Training Package. For more information about qualifications and pathways contact Manufacturing Industry Skills Council (http://www.mskills.com.au).

The Aeroskills Training Package Qualifications

The MEA07 Aeroskills Training Package Version 3 includes national qualifications at Certificate II, Certificate III, Certificate IV, Diploma and Advanced Diploma levels. The Training Package provides national qualification outcomes based on recognition of competency achievement as specified under the Competency Standards section of this Training Package. These qualifications can be accessed through traineeship and apprenticeship pathways, or through other pathways that do not involve a contract of training, such as recognition of prior learning.

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Packaging units of competency for a qualification

Qualifications may be achieved in a number of ways, but regardless of how they are attained, they must be based on the achievement of a package of competency standards.

Each qualification is made up of mandatory and elective common and technical stream units:

- the common units and mandatory technical stream units for each qualification ensure the integrity of the qualification and effective alignment with Civil Aviation Safety Authority (CASA) and Australian Defence Force (ADF) regulatory requirements
- the ability to select from a range of elective units provides flexibility

The units of competency to be achieved for each qualification have been determined in consultation with industry and the Regulators (CASA and the ADF). Any RTO issuing a qualification will need to comply with this framework. However, RTOs are encouraged to offer flexible learning delivery formats to suit industry needs (what is taught, how, when, where delivered etc).

People with experience in related industries such as Manufacturing, Engineering, Automotive and Electrotechnology may be able to achieve competence in component workshop units from the Aerospace Industry Competency Standards with limited levels of ‘gap’ training and experience. In Version 3 this process is facilitated through a common "conversion" unit of competency and a number of Skill Sets relating to specific component workshop employment areas.

Certificate II Aeroskills qualifications

The MEA07 Aeroskills Training Package includes the following qualifications at Certificate II level:

- MEA20410 Certificate II in Aeroskills
- MEA20510 Certificate II in Aircraft Line Maintenance
- MEA20610 Certificate II in Aircraft Surface Finishing

MEA20410 Certificate II in Aeroskills

The MEA20410 Certificate II in Aeroskills articulates with, and provides credit towards, the Aeroskills Training Package ‘trade’ qualifications at AQF Certificate IV level with common units given full recognition at the higher level. The elective units may provide partial credit towards related higher level units as people progress from AQFII to the higher qualification. The relationship between the AQFII and AQFIV elective units is as follows:

MEA20410 Units of Competency	Related AQFIV Units of Competency
MEA238B Perform routine removal and installation of miscellaneous aircraft electrical hardware/components	MEA201B Remove and install miscellaneous aircraft electrical hardware/components
MEA239B Fabricate aircraft electrical looms and harnesses	MEA246C Fabricate and/or repair aircraft electrical hardware or parts

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MEA240B Use electrical test equipment to perform basic electrical tests	MEA260B Use electrical test equipment
MEA329B Dismantle, inspect, maintain and assemble aircraft basic hydraulic and pneumatic components or parts	MEA380A Repair and/or overhaul aircraft hydraulic system components MEA381A Repair and/or overhaul aircraft pneumatic system components MEA382A Repair and/or overhaul aircraft fuel system components
MEA330B Dismantle, inspect, maintain and assemble aircraft non-primary structural removable components or parts and internal fittings	MEA328C Maintain and/or repair aircraft mechanical components or parts
MEA331B Dismantle, inspect, maintain and assemble aircraft gas turbine engine components or parts	MEA383A Repair and/or overhaul gas turbine engine air inlet and compressor components and/or modules MEA384A Repair and/or overhaul gas turbine engine combustion section components and/or modules MEA385A Repair and/or overhaul gas turbine engine turbine and exhaust section components MEA386A Repair and/or overhaul gas turbine engine ancillary section components
MEA332B Dismantle, inspect, maintain and assemble aircraft mechanical components or parts	MEA328C Maintain and/or repair aircraft mechanical components or parts
MEA333B Dismantle, inspect, maintain and assemble aircraft piston engine components or parts	MEA388A Repair and/or overhaul piston engines
MEA406B Repair/modify aircraft non-primary structural sheetmetal components	MEA403B Repair/modify aircraft structure
MEA407B Repair/modify aircraft non-primary structural non-metallic components	MEA405B Repair/modify aircraft composite material structure/components

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The MEA20410 Certificate II in Aeroskills has a set of packaging rules that provide multiple pathways in three technical areas of Avionics, Mechanical and Structures. This design promotes the achievement of a multi-skilled qualification that can directly lead to the three established aircraft 'trade' areas and provide the maximum credit transfer.

The qualification has been designed to allow maximum flexibility to enable enterprises to choose the most appropriate pathway/s for their needs. The technical focus and application of the qualification achieved by each learner can be easily determined through reference to the Log of Industrial Experience and Achievement.

To achieve a MEA20410 Certificate II in Aeroskills, both common and elective units must be completed. The technical units are presented in ways such that the qualification will have a dominant technical area (a primary area of Avionic, Mechanical or Structures) and a complementary supporting component (the 'minor' component).

The 'major' and 'minor' components of the qualification must be drawn from different technical areas.

Common units	**+**	**technical units (major component)**	**+**	**technical unit (minor component)**	**=**	**Certificate II in Aeroskills MEA20410**

MEA20510 Certificate II in Aircraft Line Maintenance

This qualification was developed to meet CASA requirements for the grant of an Aircraft Maintenance Engineer A Licence (A1, A2, A3 or A4) in accordance with Civil Aviation Safety Regulation (CASR) Part 66, and with transitional arrangements under CAO 100.66, in accordance with which maintenance authorities equivalent to the A licences may be granted. The qualification requirements must be met also in accordance with the requirements of CAO 100.66 pending the issue of CASR Part 66, including full coverage of CASA syllabus requirements as listed in Appendix 1. Training delivery is also required to be in accordance with CAO 100.66 requirements pending the issue of CASR Part 147.

Because of the need to comply with licensing requirements there is no flexibility in the selection of units, other than for the purpose of meeting the specified requirements for the grant of an A1, A2, A3 or A4 maintenance authority/licence.

Advice to contact CASA for authoritative information on licensing requirements

Selected units of competency and qualifications in this Training Package have been designed to satisfy draft requirements proposed by CASA for Licensed Aircraft Maintenance Engineers under the proposed Civil Aviation Safety Regulation Part 66, and to comply with the transitional arrangements covered by CAO 100.66.

Training programs will allow entry to optional licensing pathways leading to both trade recognition and Diploma-level preparation for CASA interim maintenance authorities/ licensing. These programs will be conducted by Registered Training Organisations which will also have complementary CASA approval as maintenance training organisations under CAO 100.66 and eventually the proposed Civil Aviation Safety Regulation Part 147.

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This Aeroskills Training Package publication provides advisory information based on discussions with CASA, including their anticipated future requirements. All possible care has been taken in the preparation of this material however persons should not rely solely on this publication on matters involving CASA's current or proposed licensing requirements or arrangements.

Precise information on licensing, current and proposed compliance requirements can be obtained from CASA on telephone 131 757 or at www.casa.gov.au.

The MEA20510 Certificate II in Aircraft Line Maintenance articulates with, and provides credit towards, the Aeroskills Training Package 'trade' qualifications at AQF Certificate IV level with common units given full recognition at the higher level. The elective units may be credited as follows:

MEA20510 elective units	**Possible credit**
MEA240B Use electrical test equipment to perform basic electrical tests	Partial towards MEA260B Use electrical test equipment
MEA264A Remove and install aircraft electrical/avionic components during line maintenance	Partial towards MEA202C Remove and install basic aircraft electrical system components and MEA203C Remove and install advanced aircraft electrical system components
MEA265A Remove and install general aircraft electrical hardware	Partial towards MEA201B Remove and install miscellaneous aircraft electrical hardware/components
MEA344A Remove and install aircraft components	Partial towards MEA302C Remove and install aircraft hydro mechanical and landing gear system components
MEA345A Perform scheduled line maintenance activities on gas turbine engine fixed wing aircraft	Full credit for MEA301C Perform aircraft flight servicing
MEA346A Perform scheduled line maintenance activities on gas turbine engine rotary wing aircraft	
MEA347A Perform scheduled line maintenance activities on piston engine fixed wing aircraft	
MEA348A Perform scheduled line maintenance activities on	

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piston engine rotary wing aircraft	
MEA418A Perform basic repair of aircraft internal fittings during line maintenance	Partial towards MEA339B Inspect, repair and maintain aircraft structures

MEA20610 Certificate II in Aircraft Surface Finishing

This qualification was developed to meet industry and ADF requirements for qualifications and competencies to cover the surface finishing of aircraft and aircraft components. There is a limited degree of flexibility in the selection of units to cover a range of multi-skilling activities required by industry organisations.

The MEA20610 Certificate II in Aircraft Surface Finishing articulates with, and provides credit towards, the surface finishing qualifications at Certificate III and IV levels. In addition, the common core units and electives that provide multi-skilling would provide significant credit towards other Aeroskills Training Package qualifications at AQF Certificate II level. The elective units may be credited as follows:

MEA20610 elective units	**Possible credit**
MEA330B Dismantle, inspect, maintain and assemble aircraft non-primary structural removable components or parts and internal fittings	Full credit towards MEA20410 Certificate II in Aeroskills
MEA406B Repair/modify aircraft non-primary structural sheetmetal components	Full credit towards MEA20410 Certificate II in Aeroskills
MEA407B Repair/modify aircraft non-primary structural non-metallic components	Full credit towards MEA20410 Certificate II in Aeroskills

Certificate III Aeroskills qualifications

There are two qualifications at Certificate III in the Aeroskills Training Package MEA07 Version 3. They are MEA30110 Certificate III in Aircraft Surface Finishing which was introduced in the Aeroskills Training Package MEA07 Version 1, and MEA30310 Certificate III in Aircraft Life Support and Furnishing which is introduced for the first time in MEA07 Version 2.

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MEA30110 Certificate III in Aircraft Surface Finishing

A number of industry organisations and the ADF train and employ aircraft surface finishers. In some cases these individuals are trained from entry level and in other cases they are recruited and converted from automotive spray painting to aircraft surface finishing. The combination of competencies in surface finishing tasks and the level of multi-skilling required by the relevant organisations resulted in MEA30110 Certificate III in Aircraft Surface Finishing.

The MEA30110 Certificate III in Aircraft Surface Finishing articulates with, and provides credit towards, the surface finishing qualification at Certificate IV level. In addition, the common units and unit MEA401B Inspect aircraft structures would provide significant credit towards other Aeroskills Training Package qualifications at AQF Certificate IV level.

MEA30210 Certificate III in Aircraft Life Support and Furnishing

The Certificate III in Aircraft Life Support and Furnishing is based on the Certificate III in Public Safety (Aviation Life Support Maintenance) PUA31706 which was to be deleted from that Training Package after MEA07 Version 2 was implemented. RTOs will be expected to transfer within 12 months from release date of MEA07v2.

In developing the qualification for the Aeroskills Training Package there was extensive consultation with the ADF (for whom PUA31706 was developed), and with the civil aviation maintenance industry which resulted in the coverage of aircraft furnishing maintenance being increased. The qualification now covers the maintenance of aircrew equipment (such as helmets, oxygen masks, anti-G suits and immersion suits), parachutes, survival vests for aircrew and passengers, life rafts, aircraft internal fittings and soft furnishings. In the case of soft furnishings, both fabrication and maintenance is covered. Multi-skilling is also provided for in the inspection and repair of non-structural metallic and non-metallic components, and for limited maintenance of electrical and electronic systems and components in seats and pods.

The Certificate III in Aircraft Life Support and Furnishing fully articulates towards the Certificate IV in Aircraft Life Support and Furnishing. It also includes a number of common units of competency that are common to other qualifications at Certificate III and Certificate IV levels. The relationship between the units required for this qualification and those applicable to the Certificate III in Public Safety (Aviation Life Support Maintenance) PUA31706 is as follows:

MEA30210 Units	**PUA31706 Units**
MEA101B Interpret occupational health and safety practices in aviation maintenance	Same (alternative of BSBCMN211A Participate in workplace safety procedures provides partial coverage)
MEA103B Plan and organise aviation maintenance work activities	Same
MEA105B Apply quality standards applicable to aviation maintenance processes	Same

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MEA107B Interpret and use aviation maintenance industry manuals and specifications	Same
MEA108B Complete aviation maintenance industry documentation	Same
MEA109B Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance	Same
MEA118A Conduct self in the aviation maintenance environment	Covered in part by each of PUADEFEQ001A Work with equity and diversity, PUACOM001B Communicate in the workplace, PUATEA001A Work in a team
MEA240B Use electrical test equipment to perform basic electrical tests	Nil – additional multi-skilling
MEA304B Remove and install non-pressurised aircraft structural and non-structural components	Nil – additional multi-skilling
MEA317B Remove and install pressurised aircraft structural and non-structural components	Nil – additional multi-skilling
MEA411A Remove surface coatings from aircraft or aircraft components	Nil – additional multi-skilling
MEA412A Pre-treat aluminium alloy surfaces	Nil – additional multi-skilling
MEA414A Remove light corrosion	Nil – additional multi-skilling
MEA416A Apply aircraft identification markings, graphics and decals	Nil –additional multi-skilling
MEA419A Inspect and repair/modify aircraft cabin/cockpit non-primary structure metallic and non-metallic components	Nil – new unit
MEA501A Maintain and fit Anti-G suits	Equivalent to PUADEFLS001A
MEA502A Maintain and fit helmets	Equivalent to PUADEFLS002A
MEA503A Maintain and fit immersion	Equivalent to PUADEFLS003A

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suits	
MEA504A Maintain and fit oxygen masks	Equivalent to PUADEFLS004A
MEA505A Maintain and pack parachutes	Equivalent to PUADEFLS005A
MEA506A Maintain and pack survival inflatable life rafts and escape slides	Equivalent to PUADEFLS006A
MEA507A Maintain, pack and fit survival inflatable buoyancy vests	Equivalent to PUADEFLS007A
MEA508A Maintain, install and remove restraint systems	Equivalent to PUADEFLS008A
MEA509A Manufacture, repair and alter aircraft related fabric components	Equivalent to PUADEFLS009A
MEA510A Maintain seat and pod electrical and electronic systems	Nil – new unit
MEA511A Operate and maintain sewing machines and overlockers	Equivalent to LMTPRTF05CA
PUADEFEO101B Work safely with explosive ordnance	Same
PUADEFEO501B Conduct explosive ordnance inspection	Same
MEM12001B Use comparison and basic measuring devices	Same as MEM12.1B Use comparison and basic measuring devices
AURV231208A Carry out trimming of vehicle components	
AURV231268A Select and apply trim/fabric materials and determine attachment methods	Equivalent to AUR31268B Select and apply trim/fabric materials
AURV231368A Select and apply trim/fabric adhesives	Part covered by LMTPRTF09BA Use adhesives - 2
LMFSF2001B Cut single layer fabrics	Same
LMFSF2002B Machine sew materials	Same
LMFUP3012B Apply marine sewing and	Same

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installation techniques	
LMTTF2008A Use adhesives	Equivalent to LMTPRTF09BA Use adhesives - 2

Certificate IV Aeroskills qualifications

The Aeroskills Training Package MEA07 includes six Certificate IV qualifications:

MEA40610 Certificate IV in Aeroskills (Avionics)

MEA40710 Certificate IV in Aeroskills (Mechanical)

MEA40810 Certificate IV in Aeroskills (Structures)

MEA40910 Certificate IV in Aircraft Surface Finishing

MEA41110 Certificate IV in Aircraft Life Support and Furnishing

MEA41210 Certificate IV in Aeroskills (Armament)

Certificate IV qualifications outcomes

The Certificate IV qualifications in Aeroskills contained in the MEA07 Aeroskills Training Package Version 3 specify competencies required for trade-level outcomes in maintenance, repair and overhaul for the aerospace engineering industry. They have been structured to produce a competent base-level aerospace engineering technician; the level expected on completion of an aerospace apprenticeship in Avionics, Mechanical, Structures or Armament streams, or following training beyond trade level in Aircraft Surface Finishing or in Aircraft Life Support and Furnishing. Traineeship pathways are also included, enabling the greatest possible access to careers in the aerospace industry.

Credit transfer and articulation

Details of credit transfer and articulation from Certificate II and III levels to Certificate IV have already been provided. Where credit cannot be allocated on a whole unit basis, the relationship with Certificate IV level units will be clearly mapped and identified in separate documentation at a later date. This will assist learners, enterprises and RTOs in realising the greatest possible efficiencies in terms of learning and skills acquisition.

A separate mapping exercise to document the level of credit transfer available from, and to, competencies under other related industry Training Packages, such as Metal and Engineering, Electrotechnology and Automotive, towards the Aeroskills Certificate IV qualifications has resulted in the development of a common "conversion" unit and a number of Skill Sets that are introduced in Version 3. These Skill Sets lead to employment in component maintenance workshops and meet regulatory requirements for maintenance organisations to be able to demonstrate the attainment of competencies required for employment on specific types of component maintenance.

The Certificate IV qualifications articulate with, and provide credit towards, the qualifications at Diploma and Advanced Diploma levels. This provides avenues to meeting the full CASA requirements for the grant of B1 and B2 licences, and to prepare individuals to work in maintenance management and maintenance-related integrated logistic support activities within both the ADF and CASA regulatory environments.

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The MEA41210 Certificate IV in Aeroskills (Armament) is somewhat different since, at present, training is available only to trainees who have enlisted in the RAAF and ongoing career development involves, in part, the attainment of additional qualifications from the Public Safety Training Package that cover weapons and explosive ordnance.

Certificate IV structure and packaging rules

Each Certificate IV qualification is comprised of common units (common to all qualifications), mandatory technical stream units required for regulatory compliance and elective technical units that provide the greatest possible degree of flexibility.

Common units: Some common units are obligatory in all Aeroskills qualifications that relate to workers directly involved in aircraft maintenance, repair and overhaul. They cover 'job enabling and job readiness skills' and support the achievement of the technical competencies.

Technical units: These are divided into the technical streams of Avionics, Mechanical, Structures, Aircraft Surface Finishing, Aircraft Life Support and Furnishing and Armament.

The structure of each qualification can be represented in a generic form as follows:

Common units **+** **Technical stream units** **=** **Certificate IV**

Diploma level Aeroskills qualifications

The MEA07 Aeroskills Training Package includes four Diploma level qualifications:

MEA50110 Diploma of Aeroskills (Avionics)

MEA50210 Diploma of Aeroskills (Mechanical)

MEA50310 Diploma of Aviation Maintenance Management (Avionics)

MEA50410 Diploma of Aviation Maintenance Management (Mechanical)

The two Diplomas of Aeroskills provide competency pathways which cover a combination of Certificate IV and "beyond trade" Diploma-level competencies that together fully meet proposed CASA licensing requirements for the B1 (MEA50210 refers) and B2 (MEA50110 refers) licences and equivalent interim maintenance authorities that may be granted under CAO 100.66. Individuals who obtain one of these Diplomas under the training provisions of CASR Part 147 or the transitional provisions of CAO 100.66 and having met the CASR Part 66 (or those included in CAO 100.66) licensing syllabus requirements as shown in Appendix 1 will have met the specified criteria for the grant of the applicable licence or equivalent maintenance authority.

The two Diplomas of Aviation Maintenance Management provide para-professional qualifications that meet aviation maintenance industry needs for junior maintenance managers and for employment in maintenance-related integrated logistic support activities within either the ADF or CASA regulatory systems.

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CASA regulatory review timetable

CASA has issued CAO 100.66 to provide transition of the industry to the B1 and B2 licence system and the Regulations are expected to be enacted in the near future. The material used to develop the Diploma of Aeroskills pathways was taken initially from the European Aviation Safety Authority Regulations and associated means of compliance that are the basis for the revised CASA regulations, and more recently from CAO 100.66.

Conversion of licensees from the old CASR 31 system to the Part 66 B1 and B2 licences will soon begin and the process is supported by a range of Skill Sets introduced with Version 3 that specify the competencies required for the removal of a range of licence exclusions that will be necessary at the time of licence conversion.

A revised licensing system for use in the General Aviation sector is still under development. However, small aircraft maintenance units of competency that have been developed during this process are included in Version 3 as electives to the existing Certificate IV qualifications to both provide stakeholders with the ability to structure training pathways that suit small aircraft maintainers, and to support the process of conversion from the CAR 31 licensing system to the CASR Part 66 licences. Qualifications that lead to small aircraft maintenance licences are expected to be included in the next version of the Aeroskills Training Package.

Advice to contact CASA for authoritative information on licensing requirements

Selected units of competency and qualifications in this Training Package have been designed to satisfy draft requirements proposed by CASA for Licensed Aircraft Maintenance Engineers under the proposed Civil Aviation Safety Regulation Part 66, and to comply with the transitional arrangements covered by CAO 100.66.

Training programs will allow entry to optional licensing pathways leading to both trade recognition and Diploma-level preparation for CASA interim maintenance authorities/ licensing. These programs will be conducted by Registered Training Organisations which will also have complementary CASA approval as maintenance training organisations under CAO 100.66 and eventually the proposed Civil Aviation Safety Regulation Part 147.

This Aeroskills Training Package publication provides advisory information based on discussions with CASA, including their anticipated future requirements. All possible care has been taken in the preparation of this material however persons should not rely solely on this publication on matters involving CASA's current or proposed licensing requirements or arrangements.

Precise information on licensing, current and proposed compliance requirements can be obtained from CASA on telephone 131 757 or at www.casa.gov.au.

Credit transfer and articulation

The Certificate IV qualifications in Aeroskills in Avionics and Mechanical (MEA40610 and MEA40710) articulate with or provide substantial credit towards the four Diploma level qualifications MEA50110 Diploma of Aeroskills (Avionics), MEA50210 Diploma of Aeroskills (Mechanical), MEA50310 Diploma of Aviation Maintenance Management (Avionics) and MEA50410 Diploma of Aviation Maintenance Management (Mechanical).

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The MEA40810 Certificate IV in Aeroskills (Structures), MEA40910 Certificate IV in Aircraft Surface Finishing and MEA41110 Certificate IV in Aircraft Life Support and Furnishing qualifications do not articulate with the Diplomas, but individuals with one of those qualifications would be entitled to credit for a number of common Units of Competency.

Qualification structure – flexibility

In the case of the two Diplomas of Aeroskills, flexibility is limited by the requirement to precisely meet the specified licensing criteria of CASR Part 66.

However, in the case of the Diplomas of Aviation Maintenance Management there is considerable flexibility so that organisations and individuals can tailor the qualification to either maintenance management or specialist employment in maintenance-related integrated logistic support areas in either the ADF or CASA regulatory environment.

Training and qualifications pathways including Apprenticeships

The new Diploma qualifications can be accessed through apprenticeship pathways, through a traineeship or through later post-graduate study. In the case of the Diplomas of Aviation Maintenance Management the qualifications could be also accessed through direct entry onto a course run by an RTO. These qualifications may also be achieved through a process of recognition of prior learning.

Details of indicative training pathways (or competency profiles) will be made available for use by enterprises, RTOs, NACs etc. as part of the non-endorsed Training Package information. These pathways cover different job types including options providing licensing preparation. However, it is stressed that they are intended for illustrative purposes and should not be viewed as limiting. A diagram showing the various pathways to all qualifications in the Aeroskills Training Package may be found at the end of this section.

Structure and packaging rules

The two Diplomas of Aeroskills provide competency pathways which include specified embedded ‘trade’ competency units meeting requirements for Certificate IV and new ‘beyond trade’ licensing requirements which combine to fully meet proposed CASA requirements for issue of particular LAME licences as specified under CASR Part 66.

Each Diploma qualification (avionics or mechanical) is comprised of common units of competency (common to both qualifications) and specified elective technical stream units. Both core and technical streams include new additional ‘beyond trade’ obligatory subsets of units supporting achievement of the particular LAME licence sought.

Common units: The common units include those obligatory units common to other Aeroskills qualifications, with an additional obligatory subset of common units supporting achievement of ‘beyond trade’ diploma level CASA licensing requirements.

Technical units: These are divided into two technical streams of Avionics and Mechanical. The Avionics and Mechanical technical stream units specified for the Diploma qualifications are those designed to suit various optional licensing pathways. They describe work role activities performed in a hangar or on the tarmac or flight line (as part of the ‘trade’ skills profile for an Aircraft Maintenance Engineer, AME). Additionally there is also an obligatory subset of technical units (having avionics or mechanical focus as required) supporting achievement of CASA ‘beyond trade’ licensing requirements.

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The structure of each qualification can be represented in a generic form as follows:

Specified Certificate IV requirements	**+**	**Specified Licensing requirements**	**=**	**Diploma of Aeroskills**

The two Diplomas of Aviation Maintenance Management consist of a number of common para-professional units that apply to both qualifications, plus some that are chosen according to the intended area of employment. In addition, there are a number of imported elective para-professional engineering units. Also provided are a number of preliminary units that must be attained where the individual is not articulating from MEA40610 Certificate IV in Aeroskills (Avionics) or MEA40710 Certificate IV in Aeroskills (Mechanical).

The structure of each qualification can be represented in a generic form as follows:

Preliminary units (if required)	**+**	**Applicable common units**	**+**	**Elective engineering units**	**=**	**Diploma of Aviation Maintenance Management**

Advanced Diploma level Aeroskills qualifications

The MEA07V3 Aeroskills Training Package includes two Advanced Diploma level qualifications:

- MEA60110 Advanced Diploma of Aviation Maintenance Management (Avionics)
- MEA60210 Advanced Diploma of Aviation Maintenance Management (Mechanical)
-

These qualifications provide competencies required to work at the higher para-professional and maintenance manager levels in civil aviation maintenance organisations operating under both the CASA and the ADF airworthiness regulatory systems, and within the ADF. Through selection of elective units within the framework of the packaging rules for each qualification individuals and organisations can adapt the qualifications for employment as managers within aviation maintenance organisations, or as managers within engineering support organisations dealing with aspects of Integrated Logistic Support (ILS).

Credit transfer and articulation

There are articulation pathways to the MEA60110 Advanced Diploma of Aviation Maintenance Management (Avionics) from the following three qualifications:

- MEA50110 Diploma of Aeroskills (Avionics)
- MEA50310 Diploma of Aviation Maintenance Management (Avionics)
- MEA40610 Certificate IV in Aeroskills (Avionics).
-

Similarly, there are articulation pathways to MEA60210 Advanced Diploma of Aviation Maintenance Management (Mechanical) from:

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- MEA50210 Diploma of Aeroskills (Mechanical)
- MEA50410 Diploma of Aviation Maintenance Management (Mechanical)
- MEA40710 Certificate IV in Aeroskills (Mechanical).

Qualification structure – flexibility

Through appropriate selection of elective units the two Advanced Diplomas can be adapted to prepare individuals for employment in maintenance organisation positions such as Senior Maintenance Manager or Maintenance Controller, or as managers of a range of activities in engineering support organisations such as spares assessing management, repairable item management and aviation maintenance publication management.

Training and qualification pathways

The Advanced Diploma qualifications can be accessed through training provided by an RTO that articulates from either Diploma of Aviation Maintenance Management, either Diploma of Aeroskills or from an applicable Certificate IV in Aeroskills. A direct entry pathway is not available because of regulatory requirements associated with the areas of employment relevant to the qualifications. The qualifications may also be attained wholly or in part through a process of recognition of prior learning.

Structure and packaging rules

The two Advanced Diplomas of Aviation Maintenance Management consist of a number of common para-professional units that apply to both qualifications, plus some that are chosen according to the intended area of employment. In addition, there are a number of imported elective para-professional engineering units that are in either aeronautical or avionic specialist streams. Also provided are a number of preliminary units that must be attained where the individual is not articulating from other MEA07 Version 3 qualifications.

The structure of each qualification can be represented in a generic form as follows:

Applicable common units	+	**Elective para-professional engineering units**	=	**Advanced Diploma of Aviation Maintenance Management**

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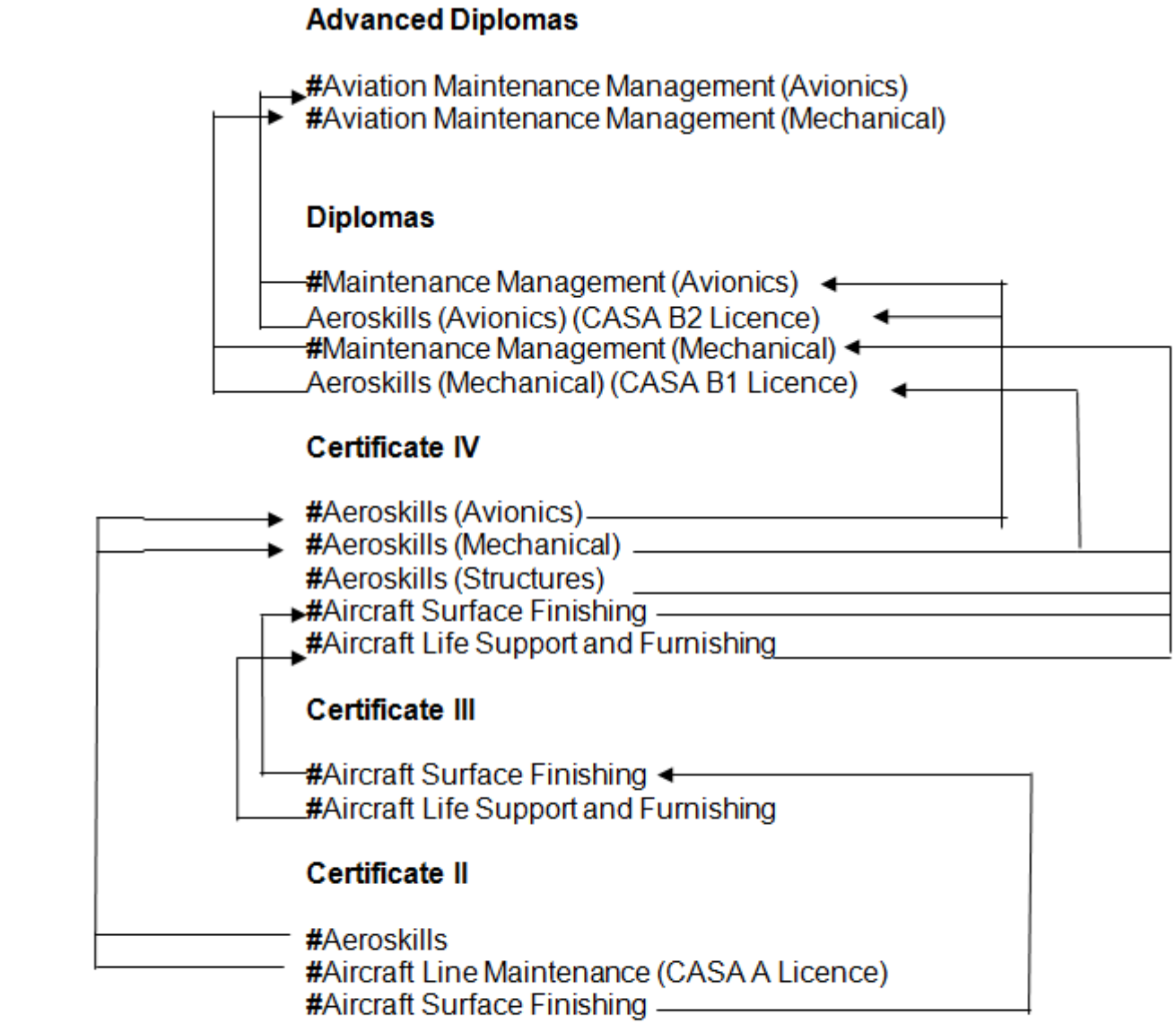
Pathways to a career and Aeroskills qualifications



Direct Entry Points: #
Progression Pathways: ⟶

Note: A pathway for Aeroskills (Armament) at Certificate IV is not shown because the qualification can at present be attained only through enlistment in the RAAF and career progression is entirely within the ADF

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Skill Sets in this Training Package

Skill Sets

Definition

Skill sets are defined as single units of competency, or combinations of units of competency from an endorsed Training Package, which link to a licence or regulatory requirement, or defined industry need.

Wording on Statements of Attainment

Skill sets are a way of publicly identifying logical groupings of units of competency which meet an identified need or industry outcome. Skill sets are not qualifications.

Where skill sets are identified in a Training Package, the Statement of Attainment can set out the competencies a person has achieved in a way that is consistent and clear for employers and others. This is done by including the wording "these competencies meet [insert skill set title or identified industry area] need" on the Statement of Attainment. This wording applies only to skill sets that are formally identified as such in the endorsed Training Package. See the 2010 edition of the AQF Implementation Handbook for advice on wording on Statements of Attainment.
http://www.aqf.edu.au/Portals/0/Documents/Handbook/AQF_Handbook_07.pdf

Skill Sets in this Training Package

MEA07v3 Skill Sets

The MEA07v3 Skill Sets are in three sections that relate to their purpose, as follows:

- Section 1 contains Skill Sets applicable to individuals with relevant allied trade Certificate III or Certificate IV qualifications that provide competencies required for employment in aviation component maintenance workshops operating under either the Civil Aviation Safety Authority (CASA) or the Australian Defence Force (ADF) regulatory systems
- Section 2 contains Skill Sets that specify CASA requirements for the removal of exclusions from B1 and B2 aircraft maintenance engineer licences
- Section 3 contains Skill Sets that specify CASA requirements for the grant of maintenance authorisations to individuals working in CASR Part 145 or Part 42F maintenance organisations

Section 1 – Skill Sets for Employment in Aviation Maintenance Workshops

The Skill Sets in this section have been developed as a means of qualifying individuals from allied trades to work in specific areas of aircraft component repair and overhaul. They could also be used to qualify individuals with Aeroskills AME qualifications to work on component repair and overhaul. Allied trades are as follows:

- Allied trades related to avionic and electrical component work are electro-technology, telecommunications and automotive. A metals and engineering background may also qualify where competencies held and work experience is in the electrical and/or electronic fields.

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- Allied trades related to mechanical component work are automotive and metals and engineering where competencies held and work experience is in mechanical maintenance fields.

Many of the units of competency listed in the Skill Sets have the following common core Aeroskills units as pre-requisites:

- MEA101B Interpret occupational health and safety practices in aviation maintenance
- MEA103B Plan and organise aviation maintenance work activity
- MEA105B Apply quality standards applicable to aviation maintenance processes
- MEA107B Interpret and use aviation maintenance industry manuals and specifications
- MEA109B Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance

Much of the general content in these units is also covered by units that will be held by individuals in allied trades. To facilitate the movement of such individuals to aviation component workshop employment the parts of these units that are peculiar to Aeroskills have been identified and have been included in MEA145A Conversion from allied trades for employment in aviation maintenance workshops which is listed in each Skill Set. Through attainment of MEA145A individuals may be deemed to be competent in each of the listed common core units.

Avionics

- Electrical component repair/overhaul
- Mechanical and electro-mechanical instrument component repair/overhaul
- Aircraft display, control and distribution system component repair/overhaul
- Oxygen system component repair/overhaul
- Aircraft radio frequency communication and navigation system component repair/overhaul
- Aircraft pulse system component repair/overhaul
- Aircraft audio and visual system and reproducer repair/overhaul

Mechanical

- Mechanical system component repair/overhaul
- Hydraulic system component repair/overhaul
- Electro- hydraulic component repair/overhaul
- Pneumatic system component repair/overhaul
- Electro-pneumatic component repair/overhaul
- Fuel system component repair/overhaul
- Gas turbine engine air inlet and compressor module/component repair/overhaul
- Gas turbine engine combustion section module/component repair/overhaul
- Gas turbine engine turbine and exhaust module/component repair/overhaul
- Gas turbine engine ancillary section module/component repair/overhaul
- Piston engine repair/overhaul
- Propeller repair/overhaul
- Rotary wing dynamic component repair/overhaul

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- Mechanical system component repair/overhaul
- Composite structure maintenance

Section 2 - Skill Sets for Removal of B1 and B2 Licence Exclusions

In the process of transitioning from the CAR 31 aircraft maintenance engineer licensing system to the new CASR Part 66 system many existing CAR 31 licence holders will be granted a B1 or B2 licence with a range of exclusions.

To provide a mechanism for the removal of these exclusions, the Skill Sets in this Section have been developed in consultation with CASA. For the purpose of exclusion removal, they must be delivered by RTOs that also hold Maintenance Training Organisation status under CASR Part 147.

CASA has also issued Airworthiness Advisory Circular AAC 9-66 in which it has been specified that CASA regards the grant of a B1 or B2 licence as signifying that all competencies relating to the specific licence privileges granted are held by the individual. Under these provisions, all holders of a B1 licence may be deemed to hold the following units of competency:

- MEA101B Interpret occupational health and safety practices in aviation maintenance
- MEA103B Plan and organise aviation maintenance work activity
- MEA105B Apply quality standards applicable to aviation maintenance processes
- MEA107B Interpret and use aviation maintenance industry manuals and specifications
- MEA108B Complete aviation maintenance industry documentation
- MEA109B Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance
- MEA301B Perform aircraft flight servicing

All holders of a B2 licence may be deemed to hold the following units of competency:

- MEA101B Interpret occupational health and safety practices in aviation maintenance
- MEA103B Plan and organise aviation maintenance work activity
- MEA105B Apply quality standards applicable to aviation maintenance processes
- MEA107B Interpret and use aviation maintenance industry manuals and specifications
- MEA108B Complete aviation maintenance industry documentation
- MEA109B Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance
- MEA201B Remove and install miscellaneous aircraft electrical hardware/components
- MEA246C Fabricate and/or repair aircraft electrical hardware or parts
- MEA260B Use electrical test equipment

For this reason, the above units are not listed against the Skill Sets where they are specified as pre-requisites for listed units.

Where any RPL action is required with regard to any of the units of competency listed in the Skill Sets in this Section, RTOs are encouraged to undertake an efficient RPL assessment (in line with CASA guidance in AAC9-66) to determine required gap training (if any) in order to provide an integrated learning program for the units in the applicable Skill Set.

- Electrical – B1.1 Licence Exclusions E1 and E4 Removal

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- Electrical – B1.1 Licence Exclusions E1 and E4 Removal (when competencies are being gained on basic light aircraft with gas turbine engine)
- Electrical – B1.2, B1.3 or B1.4 Licence Exclusions E1 and E4 Removal
- Electrical – B1.2 or B1.4 Licence Exclusions E1 and E4 Removal (when competencies are being gained on basic light aircraft or helicopters)
- Electrical – B2 Licence Exclusions E1 and E4 Removal
- Electrical – B2 Licence Exclusions E1 and E4 Removal (when competencies are being gained on basic light aircraft or helicopters)
- Airframe – B1.1 Licence Exclusion E2 Removal
- Airframe – B1.1 Licence Exclusion E2 Removal (when competencies are being gained on basic light aircraft with gas turbine engine)
- Airframe – B1.2 Licence Exclusion E2 Removal
- Airframe – B1.2 Licence Exclusion E2 Removal (when competencies are being gained on basic light aircraft)
- Airframe – B1.3 and B1.4 Licence Exclusion E2 Removal
- Airframe – B1.4 Licence Exclusion E2 Removal (when competencies are being gained on basic helicopters)
- Power Plant – B1.1 Licence Exclusion E3 Removal
- Power Plant – B1.2 Licence Exclusion E3 Removal
- Power Plant – B1.2 Licence Exclusion E3 Removal (when competencies are being gained on basic light aircraft)
- Power Plant – B1.3 Licence Exclusion E3 Removal
- Power Plant – B1.4 Licence Exclusion E3 Removal
- Power Plant – B1.4 Licence Exclusion E3 Removal (when competencies are being gained on basic helicopters)
- Instrument – B1 Licence Exclusions E5 and E7 Removal
- Instrument – B1.2 and 1.4 Licence Exclusions E5 and E7 Removal (when competencies are being gained on basic light aircraft or helicopters)
- Instrument – B2 Licence Exclusions E5 and E7 Removal
- Instrument and Radio – B1 Licence Exclusion E6 Removal
- Instrument and Radio – B1.2 and 1.4 Licence Exclusion E6 Removal (when competencies are being gained on basic light aircraft or helicopters)
- Instrument and Radio – B2 Licence Exclusion E6 Removal
- Instrument and Radio – B2 Licence Exclusion E6 Removal (Non-Type Rated Aircraft and Helicopters Only)
- Radio – B1 Licence Exclusion E8 Removal
- Radio – B1.2 and 1.4 Licence Exclusion E8 Removal (when competencies are being gained on basic light aircraft or helicopters)
- Radio – B2 Licence Exclusion E8 Removal
- Radio – B2 Licence Exclusion E8 Removal (when competencies are being gained on non-type rated aircraft and helicopters)
- Airframe – B1 Licence Exclusion E9 Removal
- Airframe – B1 Licence Exclusion E10 Removal
- Radio – B2 Licence Exclusion E11 Removal

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- Airframe/Engine – B1.1 and 1.2 Licence Exclusion E12 Removal
- Airframe – B1 Licence Exclusion E13 Removal
- Airframe – B1 Licence Exclusion E14 Removal
- Airframe – B1.1 and 1.3 Licence Exclusion E15 Removal
- Airframe – B1.1 Licence Exclusion E15 Removal
- Airframe – B1.1 Licence Exclusion E16 Removal
- Airframe – B1.2 Licence Exclusion E16 Removal
- Radio – B2 Licence Exclusion E18 Removal
- Radio – B2 Licence Exclusion E19 Removal
- Radio – B2 Licence Exclusion E20 Removal
- Radio – B2 Licence Exclusion E21 Removal
- Radio – B2 Licence Exclusion E22 Removal
- Radio – B2 Licence Exclusion E23 Removal
- Radio – B2 Licence Exclusion E24 Removal
- Radio – B2 Licence Exclusion E25 Removal
- Radio – B2 Licence Exclusion E26 Removal
- Instrument – B2 Licence Exclusion E27 Removal
- Instrument – B2 Licence Exclusion E28 Removal
- Instrument – B2 Licence Exclusion E29 Removal
- Instrument – B2 Licence Exclusion E30 Removal
- Instrument – B2 Licence Exclusion E31 Removal
- Electrical – B2 Licence Exclusion E32 Removal
- Engine – B1.2 or 1.4 Licence Exclusion E33 Removal

Section 3 – Skill Sets for Individual Maintenance Authorisations

- Aircraft egress system maintenance
- In-flight entertainment system maintenance
- Borescope inspection approval

Employability Skills

Employability Skills replacing Key Competency information from 2006

In May 2005, the approach to incorporate Employability Skills within Training Package qualifications and units of competency was endorsed. As a result, from 2006 Employability Skills will progressively replace Key Competency information in Training Packages.

Background to Employability Skills

Employability Skills are also sometimes referred to as generic skills, capabilities or Key Competencies. The Employability Skills discussed here build on the Mayer Committee's Key Competencies, which were developed in 1992 and attempted to describe generic competencies for effective participation in work.

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The Business Council of Australia (BCA) and the Australian Chamber of Commerce and Industry (ACCI), produced the *Employability Skills for the Future* report in 2002 in consultation with other peak employer bodies and with funding provided by the Department of Education, Science and Training (DEST) and the Australian National Training Authority (ANTA). Officially released by Dr Nelson (Minister for Education, Science and Training) on 23 May 2002, copies of the report are available from the DEST website at: http://www.dest.gov.au/archive/ty/publications/employability_skills/index.htm.

The report indicated that business and industry now require a broader range of skills than the Mayer Key Competencies Framework and featured an Employability Skills Framework identifying eight Employability Skills*:

- communication
- teamwork
- problem solving
- initiative and enterprise
- planning and organising
- self-management
- learning
- technology.

The report demonstrated how Employability Skills can be further described for particular occupational and industry contexts by sets of facets. The facets listed in the report are the aspects of the Employability Skills that the sample of employers surveyed identified as being important work skills. These facets were seen by employers as being dependent both in their nature and priority on an enterprise's business activity.

*Personal attributes that contribute to employability were also identified in the report but are not part of the Employability Skills Framework.

Employability Skills Framework

The following table contains the Employability Skills facets identified in the report

Employability Skills for the Future.

Skill	**Facets** Aspects of the skill that employers identify as important. The nature and application of these facets will vary depending on industry and job type.
Communication that contributes to productive	• listening and understanding • speaking clearly and directly

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and harmonious relations across employees and customers	• writing to the needs of the audience • negotiating responsively • reading independently • empathising • using numeracy effectively • understanding the needs of internal and external customers • persuading effectively • establishing and using networks • being assertive • sharing information • speaking and writing in languages other than English
Teamwork that contributes to productive working relationships and outcomes	• working across different ages irrespective of gender, race, religion or political persuasion • working as an individual and as a member of a team • knowing how to define a role as part of the team • applying teamwork to a range of situations e.g. futures planning and crisis problem solving • identifying the strengths of team members • coaching and mentoring skills, including giving feedback
Problem solving that contributes to productive outcomes	• developing creative, innovative and practical solutions • showing independence and initiative in identifying and solving problems • solving problems in teams • applying a range of strategies to problem solving • using mathematics, including budgeting and financial management to solve problems • applying problem-solving strategies

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	across a range of areas • testing assumptions, taking into account the context of data and circumstances • resolving customer concerns in relation to complex project issues
Initiative and enterprise that contribute to innovative outcomes	• adapting to new situations • developing a strategic, creative and long-term vision • being creative • identifying opportunities not obvious to others • translating ideas into action • generating a range of options • initiating innovative solutions
Planning and organising that contribute to long and short-term strategic planning	• managing time and priorities - setting time lines, coordinating tasks for self and with others • being resourceful • taking initiative and making decisions • adapting resource allocations to cope with contingencies • establishing clear project goals and deliverables • allocating people and other resources to tasks • planning the use of resources, including time management • participating in continuous improvement and planning processes • developing a vision and a proactive plan to accompany it
	• predicting - weighing up risk, evaluating alternatives and applying evaluation criteria • collecting, analysing and organising information • understanding basic business systems and their relationships

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Self-management that contributes to employee satisfaction and growth	• having a personal vision and goals • evaluating and monitoring own performance • having knowledge and confidence in own ideas and visions • articulating own ideas and visions • taking responsibility
Learning that contributes to ongoing improvement and expansion in employee and company operations and outcomes	• managing own learning • contributing to the learning community at the workplace • using a range of mediums to learn - mentoring, peer support and networking, IT and courses • applying learning to technical issues (e.g. learning about products) and people issues (e.g. interpersonal and cultural aspects of work) • having enthusiasm for ongoing learning • being willing to learn in any setting - on and off the job • being open to new ideas and techniques • being prepared to invest time and effort in learning new skills • acknowledging the need to learn in order to accommodate change
designed by trainers and assessors after analysis at the unit level). • Employability Skills Summaries contain information that may also assist in building learners' understanding of industry and workplace expectations. **Technology** that contributes to the effective carrying out of tasks	• having a range of basic IT skills • applying IT as a management tool • using IT to organise data • being willing to learn new IT skills • having the OHS knowledge to apply technology • having the appropriate physical capacity

Employability Skills Summary

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An Employability Skills Summary exists for each qualification. Summaries provide a lens through which to view Employability Skills at the qualification level and capture the key aspects or facets of the Employability Skills that are important to the job roles covered by the qualification. Summaries are designed to assist trainers and assessors to identify and include important industry application of Employability Skills in learning and assessment strategies.

The following is important information for trainers and assessors about Employability Skills Summaries.

- Employability Skills Summaries provide examples of how each skill is applicable to the job roles covered by the qualification.
- Employability Skills Summaries contain general information about industry context which is further explained as measurable outcomes of performance in the units of competency in each qualification.
- The detail in each Employability Skills Summary will vary depending on the range of job roles covered by the qualification in question.
- Employability Skills Summaries are not exhaustive lists of qualification requirements or checklists of performance (which are separate assessment tools that should be designed by trainers and assessors after analysis at the unit level).
- Employability Skills Summaries contain information that may also assist in building learners' understanding of industry and workplace expectations.

Industry Requirements for Employability Skills

Aviation maintenance involves dealing with a wide range of technology in a highly regulated environment and consistently working to high standards in order to ensure flight safety. There is therefore a particular emphasis on all areas of employability skills. For example, communication skills are vital to being able to operate in a highly regulated environment with extensive work recording and reporting environments and problem solving across a range of technologies is vital. Also, with ongoing mandatory training associated with many types of aircraft learning a high level of personal commitment thereto is essential.

Assessment Guidelines

Introduction

These Assessment Guidelines provide the endorsed framework for assessment of units of competency in this Training Package. They are designed to ensure that assessment is consistent with the *Australian Quality Training Framework (AQTF) Essential Standards for Initial and Continuing Registration*. Assessments against the units of competency in this Training Package must be carried out in accordance with these Assessment Guidelines.

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Assessment System Overview

This section provides an overview of the requirements for assessment when using this Training Package, including a summary of the AQTF requirements; licensing/registration requirements; and assessment pathways.

Quality assessment underpins the credibility of the vocational education and training sector. The Assessment Guidelines of a Training Package are an important tool in supporting quality assessment.

Assessment within the National Skills Framework is the process of collecting evidence and making judgements about whether competency has been achieved to confirm whether an individual can perform to the standards expected in the workplace, as expressed in the relevant endorsed unit of competency.

Assessment must be carried out in accordance with the:

- benchmarks for assessment
- specific industry requirements
- principles of assessment
- rules of evidence
- assessment requirements set out in the AQTF

Benchmarks for Assessment

The endorsed units of competency in this Training Package are the benchmarks for assessment. As such, they provide the basis for nationally recognised Australian Qualifications Framework (AQF) qualifications and Statements of Attainment issued by Registered Training Organisations (RTOs).

Principles of Assessment

All assessments carried out by RTOs are required to demonstrate compliance with the principles of assessment:

validity

reliability

flexibility

fairness

sufficiency

These principles must be addressed in the:

design, establishment and management of the assessment system for this Training

Package development of assessment tools, and the conduct of assessment.

Validity

Assessment is valid when the process is sound and assesses what it claims to assess. Validity requires that:

(a)	assessment against the units of competency must cover the broad range of skills and

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	knowledge that are essential to competent performance
(b)	assessment of knowledge and skills must be integrated with their practical application
(c)	judgement of competence must be based on sufficient evidence (that is, evidence gathered on a number of occasions and in a range of contexts using different assessment methods). The specific evidence requirements of each unit of competency provide advice on sufficiency

Reliability

Reliability refers to the degree to which evidence presented for assessment is consistently interpreted and results in consistent assessment outcomes. Reliability requires the assessor to have the required competencies in assessment and relevant vocational competencies (or to assess in conjunction with someone who has the vocational competencies). It can only be achieved when assessors share a common interpretation of the assessment requirements of the unit(s) being assessed.

Flexibility

To be flexible, assessment should reflect the candidate"s needs; provide for recognition of competencies no matter how, where or when they have been acquired; draw on a range of methods appropriate to the context, competency and the candidate; and support continuous competency development.

Fairness

Fairness in assessment requires consideration of the individual candidate"s needs and characteristics, and any reasonable adjustments that need to be applied to take account of them. It requires clear communication between the assessor and the candidate to ensure that the candidate is fully informed about, understands and is able to participate in, the assessment process, and agrees that the process is appropriate. It also includes an

opportunity for the person being assessed to challenge the result of the assessment and to be reassessed if necessary.

Sufficiency

Sufficiency relates to the quality and quantity of evidence assessed. It requires collection of enough appropriate evidence to ensure that all aspects of competency have been satisfied and that competency can be demonstrated repeatedly. Supplementary sources of evidence may be necessary. The specific evidence requirements of each unit of competency provide advice on sufficiency. Sufficiency is also one of the rules of evidence.

Rules of Evidence

The rules of evidence guide the collection of evidence that address the principles of validity and reliability, guiding the collection of evidence to ensure that it is valid, sufficient, current and authentic.

Valid

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Valid evidence must relate directly to the requirements of the unit of competency. In ensuring evidence is valid, assessors must ensure that the evidence collected supports demonstration of the outcomes and performance requirements of the unit of competency together with the knowledge and skills necessary for competent performance. Valid evidence must encapsulate the breadth and depth of the unit of competency, which will necessitate using a number of different assessment methods.

Sufficient

Sufficiency relates to the quality and quantity of evidence assessed. It requires collection of enough appropriate evidence to ensure that all aspects of competency have been satisfied and that competency can be demonstrated repeatedly. Supplementary sources of evidence may be necessary. The specific evidence requirements of each unit of competency provide advice on sufficiency.

Current

In assessment, currency relates to the age of the evidence presented by a candidate to demonstrate that they are still competent. Competency requires demonstration of current performance, so the evidence collected must be from either the present or the very recent past.

Authentic

To accept evidence as authentic, an assessor must be assured that the evidence presented for assessment is the candidate"s own work.

Assessment Requirements of the Australian Quality Training Framework

Assessment leading to nationally recognised AQF qualifications and Statements of Attainment in the vocational education and training sector must meet the requirements of the AQTF as expressed in the AQTF 2010 *Essential Standards for Registration.*

The AQTF 2010 *Essential Standards for Initial and Continuing Registration* can be downloaded from < www.training.com.au>.

The following points summarise the assessment requirements.

Registration of Training Organisations

Assessment must be conducted by, or on behalf of, an RTO formally registered by a State or Territory Registering Body in accordance with the AQTF The RTO must have the specific units of competency and/or AQF qualifications on its scope of registration.

Quality Training and Assessment

Each RTO must provide quality training and assessment across all its operations. See the

AQTF 2010 *Essential Standards for Initial and Continuing Registration*, Standard 1.

Assessor Competency Requirements

Each person involved in training, assessment or client service must be competent for the functions they perform. AQTF 2010 *Essential Standards for Initial and Continuing Registration*, Standard 1 for assessor (and trainer) competency requirements. See also the AQTF 2010 *Users" Guide to the Essential Standards for Registration* Appendix 2.

Assessment Requirements

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The RTOs assessments, including RPL, must meet the requirements of the relevant endorsed Training Package. See the AQTF 2010 *Essential Standards for Initial and Continuing Registration*.

Assessment Strategies

Each RTO must have strategies for training and assessment that meet the requirements of the relevant Training Package or accredited course and are developed in consultation with industry stakeholders. See the AQTF 2010 *Essential Standards for Initial and Continuing Registration*.

National Recognition

Each RTO must recognise the AQF qualifications and Statements of Attainment issued by any other RTO. See the AQTF 2010 *Essential Standards for Initial and Continuing Registration*.

Access and Equity and Client Outcomes

Each RTO must adhere to the principles of access and equity and maximise outcomes for its clients. See the AQTF 2010 *Essential Standards for Initial and Continuing Registration*.

Monitoring Assessments

Training and/or assessment provided on behalf of the RTO must be monitored to ensure that it is in accordance with all aspects of the AQTF 2010 *Essential Standards for Initial and Continuing Registration*.

Recording Assessment Outcomes

Each RTO must manage records to ensure their accuracy and integrity. See the AQTF 2010

Essential Standards for Initial and Continuing Registration.

Issuing AQF Qualifications and Statements of Attainment

Each RTO must issue AQF qualifications and Statements of Attainment that meet the requirements of the current AQF Implementation Handbook and the endorsed Training Packages within the scope of its registration. An AQF qualification is issued once the full requirements for a qualification, as specified in the nationally endorsed Training Package are met. A Statement of Attainment is issued when an individual has completed one or more units of competency from nationally recognised qualification(s)/courses(s). See the AQTF and the edition of the AQF Implementation Handbook-available on the AQF Council website < www.aqf.edu.au>.

Licensing/Registration Requirements

This section provides information on licensing/registration requirements for this Training

Package, with the following important disclaimer.

The developers of this Training Package, and DEST, consider that no licensing or registration requirements apply to RTOs, assessors or candidates with respect to this Training Package. Contact the relevant State or Territory Department(s) to check if there are any licensing or registration requirements with which you must comply. For further information on this topic contact Manufacturing Industry Skills Council (http://www.mskills.com.au).

Pathways

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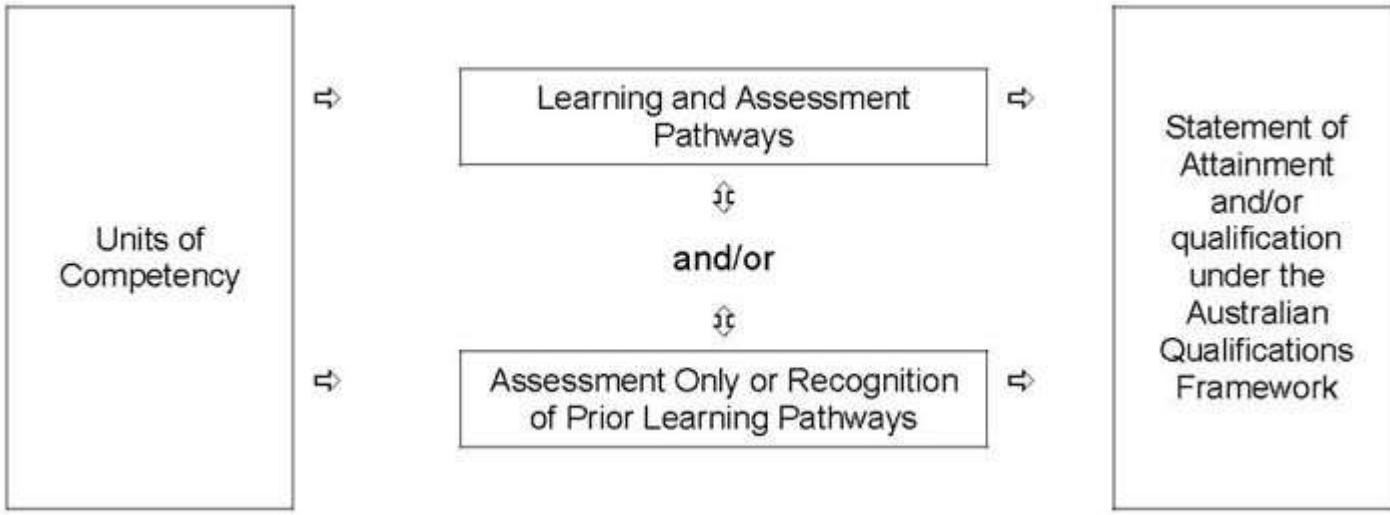
The competencies in this Training Package may be attained in a number of ways including through:

- formal or informal education and training
- experiences in the workplace
- general life experience, and/or
- any combination of the above.

Assessment under this Training Package leading to an AQF qualification or Statement of Attainment may follow a learning and assessment pathway, an assessment-only or recognition pathway, or a combination of the two as illustrated in the following diagram.



Each of these assessment pathways leads to full recognition of competencies held - the critical issue is that the candidate is competent, not how the competency was acquired.

Assessment, by any pathway, must comply with the assessment requirements set out in the Assessment Guidelines of the Training Package, and the AQTF, 2 where relevant, the Australian Qualifications Framework.

Learning and Assessment Pathways

Usually, learning and assessment are integrated, with assessment evidence being collected and feedback provided to the candidate at anytime throughout the learning and assessment process.

Learning and assessment pathways may include structured programs in a variety of contexts using a range of strategies to meet different learner needs. Structured learning and assessment programs could be: group-based, work-based, project-based, self-paced, action learning-based; conducted by distance or e-learning; and/or involve practice and experience in the workplace.

Learning and assessment pathways to suit Australian Apprenticeships have a mix of formal structured training and structured workplace experience with formative assessment activities through which candidates can acquire and demonstrate skills and knowledge from the relevant units of competency.

Credit Pathways

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Credit is the value assigned for the recognition of equivalence in content between different types of learning and/or qualifications which reduces the volume of learning required to achieve a qualification.

Credit arrangements must be offered by all RTOs that offer Training Package qualifications. Each RTO must have a systematic institutional approach with clear, accessible and transparent policies and procedures.

Competencies already held by individuals can be formally assessed against the units of competency in this Training Package, and should be recognised regardless of how, when or where they were acquired, provided that the learning is relevant to the unit of competency outcomes.

Recognition of Prior Learning

Recognition of Prior Learning (RPL) is an assessment process which determines the credit

outcomes of an individual application for credit.

The availability of Recognition of Prior Learning (RPL) provides all potential learners with access to credit opportunities.

The recognition of prior learning pathway is appropriate for candidates who have previously attained skills and knowledge and who, when enrolling in qualifications, seek to shorten the duration of their training and either continue or commence working. This may include the following groups of people:

existing workers; individuals with overseas qualifications; recent migrants with established work histories; people returning to the workplace; and people with disabilities or injuries requiring a change in career.

As with all assessment, RPL assessment should be undertaken by academic or teaching staff with expertise in the subject, content of skills area, as well as knowledge of and expertise in RPL assessment policies and procedures.

Assessment methods used for RPL should provide a range of ways for individuals to demonstrate that they have met the required outcomes and can be granted credit. These might include:

questioning (oral or written) consideration of a portfolio and review of contents consideration of third party reports and/or other documentation such as documentation such as articles, reports, project material, papers, testimonials or other products prepared by the RPL applicant that relate to the learning outcomes of the relevant qualification component mapping of learning outcomes from prior formal or non-formal learning to the relevant qualification components

observation of performance, and participation in structured assessment activities the individual would normally be required to undertake if they were enrolled in the qualification component/s.

In a Recognition of Prior Learning (RPL) pathway, the candidate provides current, quality evidence of their competency against the relevant unit of competency. This process may be directed by the candidate and verified by the assessor. Where the outcomes of this process indicate that the candidate is competent, structured training is not required. The RPL requirements of the AQTF must be met.

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As with all assessment, the assessor must be confident that the evidence indicates that the candidate is currently competent against the endorsed unit of competency. This evidence may take a variety of forms and might include certification, references from past employers, testimonials from clients, work samples and/or observation of the candidate. The onus is on candidates to provide sufficient evidence to satisfy assessors that they currently hold the relevant competencies. In judging evidence, the assessor must ensure that the evidence of prior learning is:

authentic (the candidate"s own work); valid (directly related to the current version of the relevant endorsed unit of competency); reliable (shows that the candidate consistently meets the endorsed unit of competency); current (reflects the candidate"s current capacity to perform the aspect of the work covered by the endorsed unit of competency); and sufficient (covers the full range of elements in the relevant unit of competency and addresses the four dimensions of competency, namely task skills, task management skills, contingency management skills, and job/role environment skills).

Credit Transfer

Credit transfer is a process which provides learners with agreed and consistent credit outcomes based on equivalences in content between matched qualifications.

This process involves education institutions:

mapping, comparing and evaluating the extent to which the defined learning outcomes and assessment requirements of the individual components of one qualification are equivalent to the learning outcomes and assessment requirements of the individual components of another qualification making an educational judgment of the credit outcomes to be assigned between the matched components of the two qualifications setting out the agreed credit outcomes in a documented arrangement or agreement, and publicising the arrangement/agreement and credit available.

Combination of Pathways

Credit may be awarded on the basis of a combination of credit transfer plus an individual RPL assessment for additional learning. Once credit has been awarded on the basis of RPL, subsequent credit transfer based on these learning outcomes should not include revisiting the RPL assessment but should be based on credit transfer or articulation or other arrangements between providers.

Where candidates for assessment have gained competencies through work and life experience and gaps in their competence are identified, or where they require training in new areas, a combination of pathways may be appropriate.

In such situations, the candidate may undertake an initial assessment to determine their current competency. Once current competency is identified, a structured learning and assessment program ensures that the candidate acquires the required additional competencies identified as gaps.

Assessor Requirements

This section identifies the specific requirements on the vocational competence and

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experience for assessors, to ensure that they meet the needs of industry and their obligations under AQTF, and clarifies how others may contribute to the assessment process where one person alone does not hold all the required competencies.

Assessor Competencies

The AQTF specifies mandatory competency requirements for assessors. For information, Element 1.4 from the AQTF 2007 *Essential Standards for Registration* follows:

1.4		Training and assessment is delivered by trainers and assessors who:
	a)	have the necessary training and assessment competencies as determined by the National Quality Council or its successors, and
	b)	have the relevant vocational competencies at least to the level being delivered or assessed, and
	c)	can demonstrate current industry skills directly relevant to the training/assessment being undertaken, and
	d)	continue developing their Vocational Education and Training (VET) knowledge and skills as well as their industry currency and trainer/assessor competence. * See AQTF 2010 *Users" Guide to the Essential Standards for Registration* Appendix 2

Designing Assessment Tools

This section provides an overview on the use and development of assessment tools.

Use of Assessment Tools

Assessment tools provide a means of collecting the evidence that assessors use in making judgments about whether candidates have achieved competency.

There is no set format or process for the design, production or development of assessment tools. Assessors may use prepared assessment tools, such as those specifically developed to support this Training Package, or they may develop their own.

Using Prepared Assessment Tools

If using prepared assessment tools, assessors should ensure these relate to the current version of the relevant unit of competency. The current unit of competency can be checked on the National Register < www.ntis.gov.au>.

Developing Assessment Tools

When developing assessment tools, assessors must ensure that they:

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- are benchmarked against the relevant unit or units of competency
- are reviewed as part of the continuous improvement of assessment strategies as required under Standard 1 of the AQTF 2007
- meet the assessment requirements expressed in Standard 1 of the AQTF 2010

Essential Standards for Initial and Continuing Registration.

A key reference for assessors developing assessment tools is TAE10 Training and Education Training Package.

Language, Literacy and Numeracy

The design of assessment tools must reflect the language, literacy and numeracy competencies required for the performance of a task in the workplace and not exceed these expectations.

Conducting Assessment

This section details the mandatory assessment requirements and provides information on equity in assessment including reasonable adjustment.

Mandatory Assessment Requirements

Assessments must meet the criteria set out in the 2010 *Essential Standards for Initial and Continuing Registration*. For information, the mandatory assessment requirements from Standard 1 from the AQTF 2010 *Essential Standards for Initial and Continuing Registration* are as follows:

1.5		Assessment, including Recognition of Prior Learning:
	a)	meets the requirements of the relevant Training Package or accredited course,
	b)	is conducted in accordance with the principles of assessment and the rules of evidence, and
	c)	meets workplace and, where relevant, regulatory requirements.
	d)	is systematically validated.

Assessment of Employability Skills

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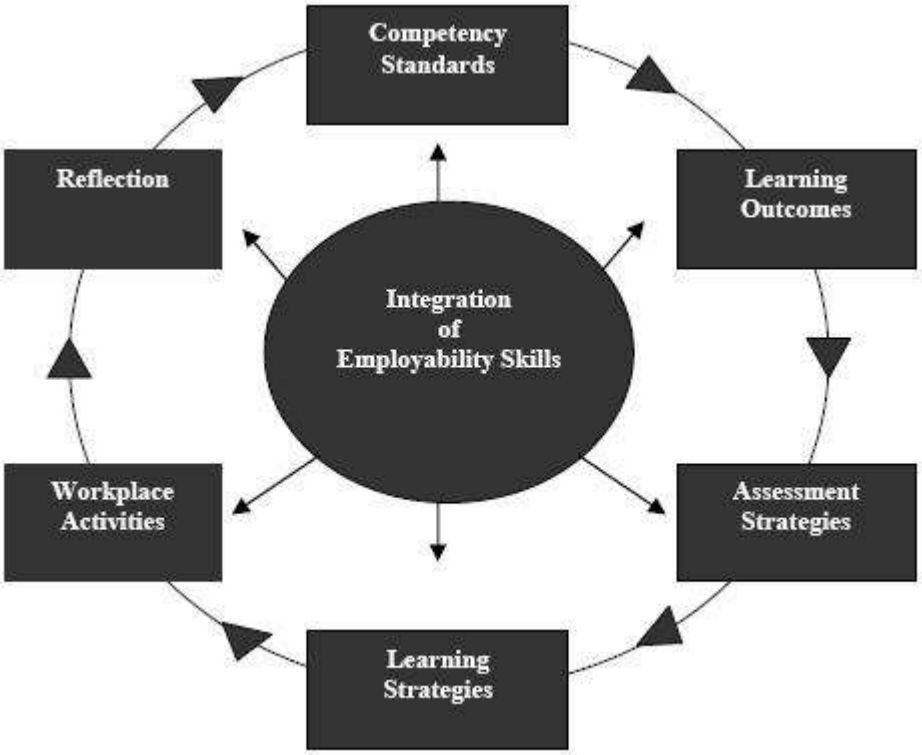
Employability Skills are integral to workplace competency. As such they must be considered in the design, customisation, delivery and assessment of vocational education and training programs in an integrated and holistic way, as represented diagrammatically below.



Employability Skills are embedded and explicit within each unit of competency, and an Employability Skills Summary is available for each qualification. Training providers must use Employability Skills information in order to design valid and reliable training and assessment strategies. This analysis could include:

- reviewing units of competency to locate relevant Employability Skills and determine how they are applied within the unit
- analysing the Employability Skills Summary for the qualification in which the unit or units are packaged to help clarify relevant industry and workplace contexts and the

application of Employability Skills at that qualification outcome

- designing training and assessment to address Employability Skills requirements.

The National Quality Council has endorsed a model for assessing and reporting Employability Skills, which contains further suggestions about good practice strategies in teaching, assessing, learning and reporting Employability Skills. The model is available from < http://www.training.com.au/>.

The endorsed approach includes learners downloading qualification specific Employability Skills Summaries for Training Package qualifications from an online repository at < http://employabilityskills.training.com.au>

For more information on Employability Skills in Manufacturing Industry Skills Council Training

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Packages go to the Manufacturing Industry Skills Council website at http://www.mskills.com.au. Employability Skills are reported on each qualification using the following statement on the

qualification testamur: "A summary of the Employability Skills developed through this qualification can be downloaded from http://employabilityskills.training.com.au "

Access and Equity

An individual"s access to the assessment process should not be adversely affected by restrictions placed on the location or context of assessment beyond the requirements specified in this Training Package: training and assessment must be bias-free.

Under the rules for their development, Training Packages must reflect and cater for the increasing diversity of Australia"s VET clients and Australia"s current and future workforce. The flexibilities offered by Training Packages should enhance opportunities and potential outcomes for all people so that we can all benefit from a wider national skills base and a shared contribution to Australia"s economic development and social and cultural life.

Reasonable adjustments

It is important that education providers take meaningful, transparent and reasonable steps to consult, consider and implement reasonable adjustments for students with disability.

Under the *Disability Standards for Education 2005*, education providers must make reasonable adjustments for people with disability to the maximum extent that those adjustments do not cause that provider unjustifiable hardship. While "reasonable adjustment" and "unjustifiable hardship" are different concepts and involve different considerations, they both seek to strike a balance between the interests of education providers and the interests of students with and without disability.

An adjustment is any measure or action that a student requires because of their disability, and which has the effect of assisting the student to access and participate in education and

training on the same basis as students without a disability. An adjustment is reasonable if it achieves this purpose while taking into account factors such as the nature of the student"s disability, the views of the student, the potential effect of the adjustment on the student and others who might be affected, and the costs and benefits of making the adjustment.

An education provider is also entitled to maintain the academic integrity of a course or program and to consider the requirements or components that are inherent or essential to its nature when assessing whether an adjustment is reasonable. There may be more than one adjustment that is reasonable in a given set of circumstances; education providers are required to make adjustments that are reasonable and that do not cause them unjustifiable hardship.

The Training Package Guidelines provides more information on reasonable adjustment, including examples of adjustments. *Go to* http://www.deewr.gov.au/tpdh/Pages/home.aspx.

Further Sources of Information

The section provides a listing of useful contacts and resources to assist assessors in

planning, designing, conducting and reviewing of assessments against this Training Package.

Contacts

Technical and Vocational Education and Training (TVET) Australia Limited

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Level 21, 390 St Kilda Road, Melbourne VIC 3150

PO Box 12211, A"Beckett Street Post Office

Melbourne Victoria 8006

Ph: +61 3 9832 8100

Fax: +61 3 9832 8198

Email: sales@tvetaustralia.com.au

Web: www.tvetaustralia.com.au

For information on the TAE10 Training and Education Training Package *contact: Innovation & Business Skills Australia*

Telephone: (03) 9815 7000

Facsimile: (03) 9815 7001

Email: virtual@ibsa.org.au

Web: www.ibsa.org.au

General Resources

AQF Implementation Handbook, Fourth Edition 2007. Australian Qualifications Framework

Advisory Board, 2002 < www.aqf.edu.au>

Australian Quality Training Framework (AQTF) and AQTF 2010 Users" Guide to the Essential Standards for Registration
http://www.training.com.au/pages/menuitem5cbe14d51b49dd34b225261017a62dbc.aspx

For general information and resources go to http://www.training.com.au/

The National Register is an electronic database providing comprehensive information about

RTOs, Training Packages and accredited courses - < www.ntis.gov.au>

The Training Package Development Handbook site provides National Quality Council policy for the development of Training Packages. The site also provides guidance material for the application of that policy, and other useful information and links.
http://www.deewr.gov.au/Skills/Overview/Policy/TPDH/Pages/main.aspx

Assessment Resources

Registered training organisations (RTOs) are at the forefront of vocational education and training (VET) in Australia. They translate the needs of industry into relevant, quality, client-focussed training and assessment.

RTOs should strive for innovation in VET teaching and learning practices and develop highly flexible approaches to assessment which take cognisance of specific needs of learners, in order to improve delivery and outcomes of training.

Resources can be purchased or accessed from: TVET Australia provides an integrated service to enable users of the national training

system to identify and acquire training materials, identify copyright requirements and enter licenses for use of that material consistent with the scope and direction of the NQC.
http://www.productservices.tvetaustralia.com.au/

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Competency Standards

What is competency?

The broad concept of industry competency concerns the ability to perform particular tasks and duties to the standard of performance expected in the workplace. Competency requires the application of specified skills, knowledge and attitudes relevant to effective participation in an industry, industry sector or enterprise.

Competency covers all aspects of workplace performance and involves performing individual tasks; managing a range of different tasks; responding to contingencies or breakdowns; and, dealing with the responsibilities of the workplace, including working with others. Workplace competency requires the ability to apply relevant skills, knowledge and attitudes consistently over time and in the required workplace situations and environments. In line with this concept of competency Training Packages focus on what is expected of a competent individual in the workplace as an outcome of learning, rather than focussing on the learning process itself.

Competency standards in Training Packages are determined by industry to meet identified industry skill needs. Competency standards are made up of a number of units of competency each of which describes a key function or role in a particular job function or occupation. Each unit of competency within a Training Package is linked to one or more AQF qualifications.

Contextualisation of Units of Competency by RTOs

Registered Training Organisation (RTOs) may contextualise units of competency to reflect local outcomes required. Contextualisation could involve additions or amendments to the unit of competency to suit particular delivery methods, learner profiles, specific enterprise equipment requirements, or to otherwise meet local needs. However, the integrity of the overall intended outcome of the unit of competency must be maintained.

Any contextualisation of units of competency in this endorsed Training Package must be within the bounds of the following advice. In contextualising units of competency, RTOs:

- must not remove or add to the number and content of elements and performance criteria
- may add specific industry terminology to performance criteria where this does not distort or narrow the competency outcomes
- may make amendments and additions to the range statement as long as such changes do not diminish the breadth of application of the competency and reduce its portability, and/or
- may add detail to the evidence guide in areas such as the critical aspects of evidence or resources and infrastructure required where these expand the breadth of the competency but do not limit its use.

Components of Units of Competency

The components of units of competency are summarised below, in the order in which they appear in each unit of competency.

Unit Title

The unit title is a succinct statement of the outcome of the unit of competency. Each unit of competency title is unique, both within and across Training Packages.

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Unit Descriptor

The unit descriptor broadly communicates the content of the unit of competency and the skill area it addresses. Where units of competency have been contextualised from units of competency from other endorsed Training Packages, summary information is provided. There may also be a brief second paragraph that describes its relationship with other units of competency, and any licensing requirements.

Employability Skills statement

A standard Employability Skills statement appears in each unit of competency. This statement directs trainers and assessors to consider the information contained in the Employability Skills Summary in which the unit of competency is packaged.

Prerequisite Units (optional)

If there are any units of competency that must be completed before the unit, these will be listed.

Application of the Unit

This sub-section fleshes out the unit of competency's scope, purpose and operation in different contexts, for example, by showing how it applies in the workplace.

Competency Field (Optional)

The competency field either reflects the way the units of competency are categorised in the Training Package or denotes the industry sector, specialisation or function. It is an optional component of the unit of competency.

Sector (optional)

The industry sector is a further categorisation of the competency field and identifies the next classification, for example an elective or supervision field.

Elements of Competency

The elements of competency are the basic building blocks of the unit of competency. They describe in terms of outcomes the significant functions and tasks that make up the competency.

Performance Criteria

The performance criteria specify the required performance in relevant tasks, roles, skills and in the applied knowledge that enables competent performance. They are usually written in passive voice. Critical terms or phrases may be written in bold italics and then defined in range statement, in the order of their appearance in the performance criteria.

Required Skills and Knowledge

The essential skills and knowledge are either identified separately or combined. Knowledge identifies what a person needs to know to perform the work in an informed and effective manner. Skills describe the application of knowledge to situations where understanding is converted into a workplace outcome.

Range Statement

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The range statement provides a context for the unit of competency, describing essential operating conditions that may be present with training and assessment, depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts. As applicable, the meanings of key terms used in the performance criteria will also be explained in the range statement.

Evidence Guide

The evidence guide is critical in assessment as it provides information to the Registered Training Organisation (RTO) and assessor about how the described competency may be demonstrated. The evidence guide does this by providing a range of evidence for the

assessor to make determinations, and by providing the assessment context. The evidence guide describes:

- conditions under which competency must be assessed including variables such as the assessment environment or necessary equipment
- relationships with the assessment of any other units of competency
- suitable methodologies for conducting assessment including the potential for workplace simulation
- resource implications, for example access to particular equipment, infrastructure or situations
- how consistency in performance can be assessed over time, various contexts and with a range of evidence, and expectations at the AQF qualification level involved

Employability Skills in units of competency

The detail and application of Employability Skills facets will vary according to the job-role requirements of each industry. In developing Training Packages, industry stakeholders are consulted to identify appropriate facets of Employability Skills which are incorporated into the relevant units of competency and qualifications.

Employability Skills are not a discrete requirement contained in units of competency (as was the case with Key Competencies). Employability Skills are specifically expressed in the context of the work outcomes described in units of competency and will appear in elements, performance criteria, range statements and evidence guides. As a result, users of Training Packages are This Training Package seeks to ensure that industry-endorsed Employability Skills are explicitly embedded in units of competency. The application of each skill and the level of detail included in each part of the unit will vary according to industry requirements and the nature of the unit of competency.

Employability Skills must be both explicit and embedded within units of competency. This means that Employability Skills will be:

- embedded in units of competency as part of the other performance requirements that make up the competency as a whole
- explicitly described within units of competency to enable Training Packages users to identify accurately the performance requirements of each unit with regards to Employability Skills.

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This Training Package also seeks to ensure that Employability Skills are well-defined and written into units of competency so that they are apparent, clear and can be delivered and assessed as an essential component of unit work outcomes.

The following table contains examples of embedded Employability Skills for each component of a unit of competency. Please note that in the examples below the bracketed skills are provided only for clarification and will not be present in units of competency within this Training Package.

Example Employability Skills unit

Unit component	**Example of embedded Employability Skill**
Unit Title	Test and troubleshoot aircraft electrical systems and components (Problem Solving and Technology)
Unit Descriptor	It covers the competencies required to correctly interpret and apply CASA airworthiness and certification requirements during aircraft maintenance. (Communication)
Element	Identify task requirements. (Planning and Organising)
Performance Criteria	Work individually or as a team member to complete maintenance tasks in a timely manner and in accordance with enterprise procedures and requirements. (Communication, Teamwork, Initiative and Enterprise and Self Management)
Range Statement	*Troubleshooting* involves the use of fault finding charts or similar, to line replacement level. (Communication and Problem Solving)
Required Skills and Knowledge	Applying logic processes, taking and interpreting electrical measurements, using test equipment and appropriate wiring diagrams and manuals to isolate electrical system malfunctions of the above components and systems (Problem Solving, Communication and Technology)

required to review the entire unit of competency in order to accurately determine Employability Skills requirements.

How Employability Skills relate to the Key Competencies

The eight nationally agreed Employability Skills now replace the seven Key Competencies in Training Packages. Trainers and assessors who have used Training Packages prior to the introduction of Employability Skills may find the following comparison useful.

Employability Skills	**Mayer Key Competencies**

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Communication	Communicating ideas and information
Teamwork	Working with others and in teams
Problem solving	Solving problems Using mathematical ideas and techniques
Initiative and enterprise	
Planning and organising	Collecting, analysing and organising information Planning and organising activities
Self-management	
Learning	
Technology	Using technology

When analysing the above table it is important to consider the relationship and natural overlap of Employability Skills. For example, using technology may involve communication skills and combine the understanding of mathematical concepts.

Explicitly embedding Employability Skills in units of competency

This Training Package seeks to ensure that industry-endorsed Employability Skills are explicitly embedded in units of competency. The application of each skill and the level of detail included in each part of the unit will vary according to industry requirements and the nature of the unit of competency.

Employability Skills must be both explicit and embedded within units of competency. This means that Employability Skills will be:

- embedded in units of competency as part of the other performance requirements that make up the competency as a whole
- explicitly described within units of competency to enable Training Packages users to identify accurately the performance requirements of each unit with regards to Employability Skills.

This Training Package also seeks to ensure that Employability Skills are well-defined and written into units of competency so that they are apparent, clear and can be delivered and assessed as an essential component of unit work outcomes.

The following table contains examples of embedded Employability Skills for each component of a unit of competency. Please note that in the examples below the bracketed skills are provided only for clarification and will not be present in units of competency within this Training Package.

Example Employability Skills unit

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Unit component	Example of embedded Employability Skill
Unit Title	Test and troubleshoot aircraft electrical systems and components (Problem Solving and Technology)
Unit Descriptor	It covers the competencies required to correctly interpret and apply CASA airworthiness and certification requirements during aircraft maintenance. (Communication)
Element	Identify task requirements. (Planning and Organising)
Performance Criteria	Work individually or as a team member to complete maintenance tasks in a timely manner and in accordance with enterprise procedures and requirements. (Communication, Teamwork, Initiative and Enterprise and Self Management)
Range Statement	*Troubleshooting* involves the use of fault finding charts or similar, to line replacement level. (Communication and Problem Solving)
Required Skills and Knowledge	Applying logic processes, taking and interpreting electrical measurements, using test equipment and appropriate wiring diagrams and manuals to isolate electrical system malfunctions of the above components and systems (Problem Solving, Communication and Technology)
Evidence Guide	A person who demonstrates competency in this unit must be able to demonstrate initiative, effectively manage their own workload and contribute to the ongoing development of their skills, knowledge and competencies in the applicable field of aviation maintenance. (Initiative and Enterprise, Self Management and Learning)

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Competency Standards - Industry Contextualisation

Competency Standards - Industry Contextualisation

Structure of the Aerospace Industry Competency Standards

Within this Training Package the Units of Competency are divided into two types:

- Common units – these indicate competencies that apply across the majority of Aeroskills Training Package qualifications at one or more levels of qualification. These units may or may not be mandatory, depending on the individual packaging rules.
- Technical stream units – these are either mandatory or elective units that relate to individual technical streams and related qualifications. Units may be mandatory in one qualification and elective in another because of regulatory and licensing requirements.

The unit numbering system is as follows:

- Common unit numbers begin with '1', e.g.MEA101B
- Avionics technical stream units begin with '2,' e.g. MEA201B
- Mechanical technical stream units begin with '3', e.g. MEA301B
- Structures technical stream units begin with '4', e.g. MEA401B
- Aircraft Life Support and Furnishing units begin with '5', e.g. MEA501A
- Armament units begin with '6', e.g. MEA601A

The Units of Competency are arranged in sections in Volume 2 according to the basic groups of Common, Avionics, Mechanical, Structures, Aircraft Life Support and Furnishing, Armament and imported units.

Appendices

Appendices

Appendix 1: Cross Reference to CASA Licensing Syllabus

For the purpose of establishing parity with the licensing system of the European Aviation Safety Authority (EASA) the Civil Aviation Safety Authority (CASA) includes in CAO 100.66 and in the proposed Civil Aviation Safety Regulation Part 66 a licensing examination syllabus. Where individuals are seeking the grant of an Aircraft Maintenance Engineer Licence (or interim maintenance authority under the transitional arrangements of CAO 100.66) in Categories A, B1 or B2 it must be demonstrated that the knowledge requirements of the syllabus were fully covered in the underpinning knowledge applicable to the units of competency relevant to the licence sought.

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In this Appendix there is a table for each A and B1 Licence, and for the B2 Licence (or the equivalent maintenance authorities) in which syllabus modules and topics applicable to each licence are listed, along with the units of competency that are expected to provide the required knowledge. RTOs operating as Maintenance Training Organisations under Civil Aviation Safety Regulation Part 147 (or CAO 100.66 during the transitional period) are required to ensure that the modules and topics are fully covered in the off-job training applicable to each listed unit of competency.

Refer also to Licensing/Registration Requirements in Section 3 Assessment Guidelines.

Alignment between CASA Licensing Syllabus and Aeroskills Units of Competency – A1 Licence

Syllabus Reference A1 Licence	**Units of Competency Providing Full Coverage**
Module 1 Mathematics	MEA345A
Module 2 Physics	MEA345A
Module 3 Electrical Fundamentals	
3.1 Electron Theory	MEA265A
3.2 Static Electricity and Conduction	MEA265A
3.3 Electrical Terminology	MEA265A
3.4 Generation of Electricity	MEA265A
3.5 DC Sources of Electricity	MEA265A
3.6 DC Circuits	Not required
3.7 Resistance/Resistor	Not required
3.8 Power	Not required
3.9 Capacitance/Capacitor	Not required
3.10 Magnetism	Not required
3.11 Inductance/Inductor	Not required
3.12 DC Motor/Generator Theory	Not required
3.13 AC Theory	MEA264A
3.14 Resistive, Capacitive and	Not required

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Syllabus Reference A1 Licence	**Units of Competency Providing Full Coverage**
Inductive Circuits	
3.15 Transformers	Not required
3.16 Filters	Not required
3.17 AC Generators	Not required
3.18 AC Motors	Not required
Module 4 Electronic Fundamentals	
4.1 Semiconductors	Not required
4.2 Printed Circuit Boards	Not required
4.3 Sevomechanisms	Not required
Module 5 Digital Techniques Electronic Instrument Systems	
5.1 Electronic Instrument Systems	MEA345A
5.2 Numbering Systems	Not required
5.3 Data Conversion	Not required
5.4 Data Buses	Not required
5.5 Logic Circuits	Not required
5.6 Basic Computer Structure	MEA345A
5.7 Microprocessors	Not required
5.8 Integrated Circuits	Not required
5.9 Multiplexing	Not required
5.10 Fibre Optics	Not required
5.11 Electronic Displays	Not required
5.12 Electrostatic Sensitive Devices	MEA264A

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Syllabus Reference A1 Licence	**Units of Competency Providing Full Coverage**
5.13 Software Management Control	Not required
5.14 Electromagnetic Environment	Not required
5.15 Typical Electronic/Digital Aircraft Systems	Not required
Module 6 Materials and Handling	
6.1 Aircraft Materials – Ferrous	MEA109B
6.2 Aircraft Materials – Non-Ferrous	MEA109B
6.3 Aircraft Materials – Composite and Non-Metallic	MEA418A
6.4 Corrosion	MEA345A
6.5 Fasteners	MEA109B
6.6 Pipes and Unions	MEA109B
6.7 Springs	MEA109B
6.8 Bearings	MEA344A
6.9 Transmissions	MEA344A, 345A
6.10 Control Cables	MEA109B
6.11 Electrical Cables and Connectors	MEA265A
Module 7 Maintenance Practices	
7.1 Safety Practices – Aircraft and Workshop	MEA101B
7.2 Workshop Practices	MEA107B, 109B
7.3 Tools	MEA109B, 240B

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Syllabus Reference A1 Licence	**Units of Competency Providing Full Coverage**
7.4 Avionic General Test Equipment	Not required
7.5 Engineering Drawings, Diagrams and Standards	MEA107B
7.6 Fits and Clearances	MEA107B, 109B
7.7 Electrical cables and Connectors	MEA265A
7.8 Riveting	MEA418A
7.9 Pipes and Hoses	MEA344A, 345A
7.10 Springs	MEA344A
7.11 Bearings	MEA344A
7.12 Transmissions	MEA344A, 345A
7.13 Control Cables	MEA345A
7.14 Material Handling	Not required
7.15 Welding, Brazing, Soldering and Bonding	Not required
7.16 Aircraft Weight and Balance	Not required
7.17 Aircraft Handling and Storage	MEA345A
7.18 Disassembly, Inspection, Repair and Assembly Techniques	MEA345A
7.19 Abnormal Events	MEA119A
7.20 Maintenance Procedures	MEA119A, 345A
Module 8 Basic Aerodynamics	
8.1 Physics of the Atmosphere	MEA345A
8.2 Aerodynamics	MEA345A

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Syllabus Reference A1 Licence	**Units of Competency Providing Full Coverage**
8.3 Theory of Flight	MEA345A
8.4 Flight Stability and Dynamics	MEA345A
Module 9 Human Factors	MEA103B
Module 10 Aviation Legislation	MEA119A
Module 11 Aeroplane Aerodynamics, Structure and Systems	
11.1 Theory of Flight	MEA345A
11.2 Airframe Structures – General concepts	MEA345A
11.3 Airframe Structures – Aeroplanes	MEA345A
11.4 Air Conditioning and Cabin Pressurisation	MEA345A
11.5 Instruments/Avionic Systems	MEA264A
11.6 Electrical Power	MEA264A
11.7 Equipment and Furnishings	MEA264A, 344A, 345A
11.8 Fire Protection	MEA345A
11.9 Flight Controls	MEA345A
11.10 Fuel Systems	MEA345A
11.11 Hydraulic Power	MEA345A
11.12 Ice and Rain Protection	MEA345A
11.13 Landing Gear	MEA344A, 345A
11.14 Lights	MEA264A
11.15 Oxygen	MEA345A

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Syllabus Reference A1 Licence	**Units of Competency Providing Full Coverage**
11.16 Pneumatic/Vacuum	MEA345A
11.17 Water/Waste	MEA344A, 345A
11.18 On-Board Maintenance Systems	MEA345A
11.19 Integrated modular avionics	MEA264A
11.20 Cabin intercommunication data systems	MEA264A
11.21 Cabin network services	MEA264A
11.22 Information systems such as air traffic and information management systems and network server systems	MEA264A
Module 15 Gas Turbine Engine	
15.1 Fundamentals	MEA345A
15.2 Engine Performance	Not required
15.3 Inlet	MEA345A
15.4 Compressors	MEA345A
15.5 Combustion Section	MEA345A
15.6 Turbine Section	MEA345A
15.7 Exhaust	MEA345A
15.8 Bearings and Seals	Not required
15.9 Lubricants and Fuels	MEA345A
15.10 Lubrication Systems	MEA345A
15.11 Fuel Systems	MEA345A
15.12 Air Systems	MEA345A

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Syllabus Reference A1 Licence	Units of Competency Providing Full Coverage
15.13 Starting and Ignition Systems	MEA345A
15.14 Engine Indication Systems	MEA345A
15.15 Power Augmentation Systems	Not required
15.16 Turbo Prop Engines	MEA345A
15.17 Turbo-Shaft Engines	MEA345A
15.18 Auxiliary Power Units	MEA345A
15.19 Power plant Installation	MEA345A
15.20 Fire Protection Systems	MEA345A
15.21 Engine Monitoring and Ground Operation	MEA345A
15.22 Engine Storage and Preservation	Not required
Module 17 Propeller	
17.1 Fundamentals	MEA345A
17.2 Propeller Construction	MEA345A
17.3 Propeller Pitch Control	MEA345A
17.4 Propeller Synchronising	Not required
17.5 Propeller Ice Protection	MEA345A
17.6 Propeller Maintenance	MEA345A
17.7 Propeller Storage and Preservation	MEA345A

Alignment between CASA Licensing Syllabus and Aeroskills Units of Competency – A2 Licence

Syllabus Reference A2 Licence	Units of Competency Providing Full Coverage

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Syllabus Reference A2 Licence	Units of Competency Providing Full Coverage
Module 1 Mathematics	MEA347A
Module 2 Physics	MEA347A
Module 3 Electrical Fundamentals	
3.1 Electron Theory	MEA265A
3.2 Static Electricity and Conduction	MEA265A
3.3 Electrical Terminology	MEA265A
3.4 Generation of Electricity	MEA265A
3.5 DC Sources of Electricity	MEA265A
3.6 DC Circuits	Not required
3.7 Resistance/Resistor	Not required
3.8 Power	Not required
3.9 Capacitance/Capacitor	Not required
3.10 Magnetism	Not required
3.11 Inductance/Inductor	Not required
3.12 DC Motor/Generator Theory	Not required
3.13 AC Theory	MEA264A
3.14 Resistive, Capacitive and Inductive Circuits	Not required
3.15 Transformers	Not required
3.16 Filters	Not required
3.17 AC Generators	Not required
3.18 AC Motors	Not required
Module 4 Electronic	

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Syllabus Reference A2 Licence	Units of Competency Providing Full Coverage
Fundamentals	
4.1 Semiconductors	Not required
4.2 Printed Circuit Boards	Not required
4.3 Sevomechanisms	Not required
Module 5 Digital Techniques Electronic Instrument Systems	
5.1 Electronic Instrument Systems	MEA347A
5.2 Numbering Systems	Not required
5.3 Data Conversion	Not required
5.4 Data Buses	Not required
5.5 Logic Circuits	Not required
5.6 Basic Computer Structure	MEA347A
5.7 Microprocessors	Not required
5.8 Integrated Circuits	Not required
5.9 Multiplexing	Not required
5.10 Fibre Optics	Not required
5.11 Electronic Displays	Not required
5.12 Electrostatic Sensitive Devices	MEA264A
5.13 Software Management Control	Not required
5.14 Electromagnetic Environment	Not required
5.15 Typical Electronic/Digital Aircraft Systems	Not required
Module 6 Materials and Handling	

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Syllabus Reference A2 Licence	**Units of Competency Providing Full Coverage**
6.1 Aircraft Materials – Ferrous	MEA109B
6.2 Aircraft Materials – Non-Ferrous	MEA109B
6.3 Aircraft Materials – Composite and Non-Metallic	MEA418A
6.4 Corrosion	MEA347A
6.5 Fasteners	MEA109B
6.6 Pipes and Unions	MEA109B
6.7 Springs	MEA109B
6.8 Bearings	MEA347A
6.9 Transmissions	MEA344A, 347A
6.10 Control Cables	MEA109B
6.11 Electrical Cables and Connectors	MEA265A
Module 7 Maintenance Practices	
7.1 Safety Practices – Aircraft and Workshop	MEA101B
7.2 Workshop Practices	MEA107B, 109B
7.3 Tools	MEA109B, 240B
7.4 Avionic General Test Equipment	Not required
7.5 Engineering Drawings, Diagrams and Standards	MEA107B
7.6 Fits and Clearances	MEA107B, 109B
7.7 Electrical cables and Connectors	MEA265A
7.8 Riveting	MEA418A

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Syllabus Reference A2 Licence	**Units of Competency Providing Full Coverage**
7.9 Pipes and Hoses	MEA344A, 347A
7.10 Springs	MEA344A
7.11 Bearings	MEA344A
7.12 Transmissions	MEA344A, 347A
7.13 Control Cables	MEA347A
7.14 Material Handling	Not required
7.15 Welding, Brazing, Soldering and Bonding	Not required
7.16 Aircraft Weight and Balance	Not required
7.17 Aircraft Handling and Storage	MEA347A
7.18 Disassembly, Inspection, Repair and Assembly Techniques	MEA347A
7.19 Abnormal Events	MEA119A
7.20 Maintenance Procedures	MEA119A, 347A
Module 8 Basic Aerodynamics	
8.1 Physics of the Atmosphere	MEA347A
8.2 Aerodynamics	MEA347A
8.3 Theory of Flight	MEA347A
8.4 Flight Stability and Dynamics	MEA347A
Module 9 Human Factors	MEA103B
Module 10 Aviation Legislation	MEA119A
Module 11 Aeroplane Aerodynamics, Structure and	

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Syllabus Reference A2 Licence	Units of Competency Providing Full Coverage
Systems	
11.1 Theory of Flight	MEA347A
11.2 Airframe Structures – General concepts	MEA347A
11.3 Airframe Structures – Aeroplanes	MEA347A
11.4 Air Conditioning and Cabin Pressurisation	MEA347A
11.5 Instruments/Avionic Systems	MEA264A
11.6 Electrical Power	MEA264A
11.7 Equipment and Furnishings	MEA264A, 344A, 347A
11.8 Fire Protection	MEA347A
11.9 Flight Controls	MEA347A
11.10 Fuel Systems	MEA347A
11.11 Hydraulic Power	MEA347A
11.12 Ice and Rain Protection	MEA347A
11.13 Landing Gear	MEA344A, 347A
11.14 Lights	MEA264A, 347A
11.15 Oxygen	MEA347A
11.16 Pneumatic/Vacuum	MEA347A
11.17 Water/Waste	MEA344A, 347A
11.18 On Board Maintenance Systems	MEA347A
11.19 Integrated modular avionics	MEA264A
11.20 Cabin intercommunication data	MEA264A

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Syllabus Reference A2 Licence	Units of Competency Providing Full Coverage
systems	
11.21 Cabin network services	MEA264A
11.22 Information systems such as air traffic and information management systems and network server systems	MEA264A
Module 16 Piston Engine	
16.1 Fundamentals	MEA347A
16.2 Engine Performance	MEA347A
16.3 Engine Construction	MEA347A
16.4 Engine Fuel Systems	MEA347A
16.5 Starting and ignition system	MEA347A
16.6 Induction, Exhaust and Cooling Systems	MEA347A
16.7 Supercharging/Turbocharging	MEA347A
16.8 Lubricants and Fuels	MEA347A
16.9 Lubrication Systems	MEA347A
16.10 Engine Indication Systems	MEA347A
16.11 Power plant Installation	MEA347A
16.12 Engine Monitoring and Ground Operation	MEA347A
16.13 Engine Storage and Preservation	Not required
Module 17 Propeller	
17.1 Fundamentals	MEA347A
17.2 Propeller Construction	MEA347A

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Syllabus Reference A2 Licence	Units of Competency Providing Full Coverage
17.3 Propeller Pitch Control	MEA347A
17.4 Propeller Synchronising	Not required
17.5 Propeller Ice Protection	MEA347A
17.6 Propeller Maintenance	MEA347A
17.7 Propeller Storage and Preservation	MEA347A

Alignment between CASA Licensing Syllabus and Aeroskills Units of Competency – A3 Licence

Syllabus Reference A3 Licence	Units of Competency Providing Full Coverage
Module 1 Mathematics	MEA346A
Module 2 Physics	MEA346A
Module 3 Electrical Fundamentals	
3.1 Electron Theory	MEA265A
3.2 Static Electricity and Conduction	MEA265A
3.3 Electrical Terminology	MEA265A
3.4 Generation of Electricity	MEA265A
3.5 DC Sources of Electricity	MEA265A
3.6 DC Circuits	Not required
3.7 Resistance/Resistor	Not required
3.8 Power	Not required
3.9 Capacitance/Capacitor	Not required
3.10 Magnetism	Not required
3.11 Inductance/Inductor	Not required
3.12 DC Motor/Generator	Not required

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Syllabus Reference A3 Licence	**Units of Competency Providing Full Coverage**
Theory	
3.13 AC Theory	MEA264A
3.14 Resistive, Capacitive and Inductive Circuits	Not required
3.15 Transformers	Not required
3.16 Filters	Not required
3.17 AC Generators	Not required
3.18 AC Motors	Not required
Module 4 Electronic Fundamentals	
4.1 Semiconductors	Not required
4.2 Printed Circuit Boards	Not required
4.3 Servomechanisms	Not required
Module 5 Digital Techniques Electronic Instrument Systems	
5.1 Electronic Instrument Systems	MEA346A
5.2 Numbering Systems	Not required
5.3 Data Conversion	Not required
5.4 Data Buses	Not required
5.5 Logic Circuits	Not required
5.6 Basic Computer Structure	MEA346A
5.7 Microprocessors	Not required
5.8 Integrated Circuits	Not required
5.9 Multiplexing	Not required
5.10 Fibre Optics	Not required

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Syllabus Reference A3 Licence	**Units of Competency Providing Full Coverage**
5.11 Electronic Displays	Not required
5.12 Electrostatic Sensitive Devices	MEA264A
5.13 Software Management Control	Not required
5.14 Electromagnetic Environment	Not required
Typical Electronic/Digital Aircraft Systems	Not required
Module 6 Materials and Handling	
6.1 Aircraft Materials – Ferrous	MEA109B
6.2 Aircraft Materials – Non-Ferrous	MEA109B
6.3 Aircraft Materials – Composite and Non-Metallic	MEA418A
6.4 Corrosion	MEA346A
6.5 Fasteners	MEA109B
6.6 Pipes and Unions	MEA109B
6.7 Springs	MEA109B
6.8 Bearings	MEA344A
6.9 Transmissions	MEA344A, 346A
6.10 Control Cables	MEA109B
6.11 Electrical Cables and Connectors	MEA265A
Module 7 Maintenance Practices	
7.1 Safety Practices – Aircraft and Workshop	MEA101B

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Syllabus Reference A3 Licence	**Units of Competency Providing Full Coverage**
7.2 Workshop Practices	MEA107B, 109B
7.3 Tools	MEA109B, 240B
7.4 Avionic General Test Equipment	Not required
7.5 Engineering Drawings, Diagrams and Standards	MEA107B
7.6 Fits and Clearances	MEA107B, 109B
7.7 Electrical cables and Connectors	MEA265A
7.8 Riveting	MEA418A
7.9 Pipes and Hoses	MEA344A, 346A
7.10 Springs	MEA344A
7.11 Bearings	MEA344A
7.12 Transmissions	MEA344A, 346A
7.13 Control Cables	MEA346A
7.14 Material Handling	Not required
7.15 Welding, Brazing, Soldering and Bonding	Not required
7.16 Aircraft Weight and Balance	Not required
7.17 Aircraft Handling and Storage	MEA346A
7.18 Disassembly, Inspection, Repair and Assembly Techniques	MEA346A
7.19 Abnormal Events	MEA119A
7.20 Maintenance Procedures	MEA119A, 346A
Module 8 Basic Aerodynamics	

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Syllabus Reference A3 Licence	**Units of Competency Providing Full Coverage**
8.1 Physics of the Atmosphere	MEA346A
8.2 Aerodynamics	MEA346A
8.3 Theory of Flight	MEA346A
8.4 Flight Stability and Dynamics	MEA346A
Module 9 Human Factors	MEA103B
Module 10 Aviation Legislation	MEA119A
Module 12 Helicopter Aerodynamics, Structure and Systems	
12.1 Theory of Flight – Rotary Wing Aerodynamics	MEA346A
12.2 Flight control Systems	MEA346A
12.3 Blade Tracking and Vibration Analysis	MEA346A
12.4 Transmission	MEA346A
12.5 Airframe Structures	MEA346A
12.6 Air Conditioning	MEA346A
12.7 Instruments/Avionic Systems	MEA264A
12.8 Electrical Power	MEA264A
12.9 Equipment and Furnishings	MEA264A, 344A, 346A
12.10 Fire Protection	MEA346A
12.11 Fuel Systems	MEA346A
12.12 Hydraulic Power	MEA346A
12.13 Ice and Rain Protection	MEA346A

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Syllabus Reference A3 Licence	Units of Competency Providing Full Coverage
12.14 Landing Gear	MEA344A, 346A
12.15 Lights	MEA264A
12.16 Pneumatic/Vacuum	MEA346A
12.17 Integrated modular avionics	MEA264A
12.18 On Board Maintenance Systems	MEA346A
12.19 Information systems such as air traffic and information management systems and network server systems	MEA264A
Module 15 Gas Turbine Engine	
15.1 Fundamentals	MEA346A
15.2 Engine Performance	Not required
15.3 Inlet	MEA346A
15.4 Compressors	MEA346A
15.5 Combustion Section	MEA346A
15.6 Turbine Section	MEA346A
15.7 Exhaust	MEA346A
15.8 Bearings and Seals	Not required
15.9 Lubricants and Fuels	MEA346A
15.10 Lubrication Systems	MEA346A
15.11 Fuel Systems	MEA346A
15.12 Air Systems	MEA346A
15.13 Starting and Ignition Systems	MEA346A
15.14 Engine Indication	MEA346A

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Syllabus Reference A3 Licence	Units of Competency Providing Full Coverage
Systems	
15.15 Power Augmentation Systems	Not required
15.16 Turbo Prop Engines	MEA346A
15.17 Turbo-Shaft Engines	MEA346A
15.18 Auxiliary Power Units	MEA346A
15.19 Power plant Installation	MEA346A
15.20 Fire Protection Systems	MEA346A
15.21 Engine Monitoring and Ground Operation	MEA346A
15.22 Engine Storage and Preservation	Not required

Alignment between CASA Licensing Syllabus and Aeroskills Units of Competency – A4 Licence

Syllabus Reference A4 Licence	Units of Competency Providing Full Coverage
Module 1 Mathematics	MEA348A
Module 2 Physics	MEA348A
Module 3 Electrical Fundamentals	
3.1 Electron Theory	MEA265A
3.2 Static Electricity and Conduction	MEA265A
3.3 Electrical Terminology	MEA265A
3.4 Generation of Electricity	MEA265A
3.5 DC Sources of Electricity	MEA265A
3.6 DC Circuits	Not required
3.7 Resistance/Resistor	Not required

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Syllabus Reference A4 Licence	**Units of Competency Providing Full Coverage**
3.8 Power	Not required
3.9 Capacitance/Capacitor	Not required
3.10 Magnetism	Not required
3.11 Inductance/Inductor	Not required
3.12 DC Motor/Generator Theory	Not required
3.13 AC Theory	MEA264A
3.14 Resistive, Capacitive and Inductive Circuits	Not required
3.15 Transformers	Not required
3.16 Filters	Not required
3.17 AC Generators	Not required
3.18 AC Motors	Not required
Module 4 Electronic Fundamentals	
4.1 Semiconductors	Not required
4.2 Printed Circuit Boards	Not required
4.3 Servomechanisms	Not required
Module 5 Digital Techniques Electronic Instrument Systems	
5.1 Electronic Instrument Systems	MEA348A
5.2 Numbering Systems	Not required
5.3 Data Conversion	Not required
5.4 Data Buses	Not required
5.5 Logic Circuits	Not required

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Syllabus Reference A4 Licence	**Units of Competency Providing Full Coverage**
5.6 Basic Computer Structure	MEA348A
5.7 Microprocessors	Not required
5.8 Integrated Circuits	Not required
5.9 Multiplexing	Not required
5.10 Fibre Optics	Not required
5.11 Electronic Displays	Not required
5.12 Electrostatic Sensitive Devices	MEA264A
5.13 Software Management Control	Not required
5.14 Electromagnetic Environment	Not required
Typical Electronic/Digital Aircraft Systems	Not required
Module 6 Materials and Handling	
6.1 Aircraft Materials – Ferrous	MEA109B
6.2 Aircraft Materials – Non-Ferrous	MEA109B
6.3 Aircraft Materials – Composite and Non-Metallic	MEA418A
6.4 Corrosion	MEA348A
6.5 Fasteners	MEA109B
6.6 Pipes and Unions	MEA109B
6.7 Springs	MEA109B
6.8 Bearings	MEA344A
6.9 Transmissions	MEA344A, 348A

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Syllabus Reference A4 Licence	**Units of Competency Providing Full Coverage**
6.10 Control Cables	MEA109B
6.11 Electrical Cables and Connectors	MEA265A
Module 7 Maintenance Practices	
7.1 Safety Practices – Aircraft and Workshop	MEA101B
7.2 Workshop Practices	MEA107B, 109B
7.3 Tools	MEA109B, 240B
7.4 Avionic General Test Equipment	Not required
7.5 Engineering Drawings, Diagrams and Standards	MEA107B
7.6 Fits and Clearances	MEA107B, 109B
7.7 Electrical cables and Connectors	MEA265A
7.8 Riveting	MEA418A
7.9 Pipes and Hoses	MEA344A, 348A
7.10 Springs	MEA344A
7.11 Bearings	MEA344A
7.12 Transmissions	MEA344A, 348A
7.13 Control Cables	MEA348A
7.14 Material Handling	Not required
7.15 Welding, Brazing, Soldering and Bonding	Not required
7.16 Aircraft Weight and Balance	Not required
7.17 Aircraft Handling and	MEA348A

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Syllabus Reference A4 Licence	**Units of Competency Providing Full Coverage**
Storage	
7.18 Disassembly, Inspection, Repair and Assembly Techniques	MEA348A
7.19 Abnormal Events	MEA119A
7.20 Maintenance Procedures	MEA119A, 348A
Module 8 Basic Aerodynamics	
8.1 Physics of the Atmosphere	MEA348A
8.2 Aerodynamics	MEA348A
8.3 Theory of Flight	MEA348A
8.4 Flight Stability and Dynamics	MEA348A
Module 9 Human Factors	MEA103B
Module 10 Aviation Legislation	MEA119A
Module 12 Helicopter Aerodynamics, Structure and Systems	
12.1 Theory of Flight – Rotary Wing Aerodynamics	MEA348A
12.2 Flight control Systems	MEA348A
12.3 Blade Tracking and Vibration Analysis	MEA348A
12.4 Transmission	MEA348A
12.5 Airframe Structures	MEA348A
12.6 Air Conditioning	MEA348A
12.7 Instruments/Avionic Systems	MEA348A
12.8 Electrical Power	MEA264A

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Syllabus Reference A4 Licence	**Units of Competency Providing Full Coverage**
12.9 Equipment and Furnishings	MEA264A, 344A, 348A
12.10 Fire Protection	MEA348A
12.11 Fuel Systems	MEA348A
12.12 Hydraulic Power	MEA348A
12.13 Ice and Rain Protection	MEA348A
12.14 Landing Gear	MEA344A, 348A
12.15 Lights	MEA264A, 348A
12.16 Pneumatic/Vacuum	MEA348A
12.17 Integrated modular avionics	MEA264A
12.18 On Board Maintenance Systems	MEA348A
12.19 Information systems such as air traffic and information management systems and network server systems	MEA264A
Module 16 Piston Engine	
16.1 Fundamentals	MEA348A
16.2 Engine Performance	MEA348A
16.3 Engine Construction	MEA348A
16.4 Engine Fuel System	MEA348A
16.5 Starting and Ignition Systems	MEA348A
16.6 Induction, Exhaust and Cooling Systems	MEA348A
16.7 Supercharging/Turbocharging	MEA348A
16.8 Lubricants and Fuels	MEA348A

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Syllabus Reference A4 Licence	Units of Competency Providing Full Coverage
16.9 Lubrication Systems	MEA348A
16.10 Engine Indication Systems	MEA348A
16.11 Power plant Installation	MEA348A
16.12 Engine Monitoring and Ground Operation	MEA348A
16.13 Engine Storage and Preservation	Not required

Alignment between CASA Licensing Syllabus and Aeroskills Units of Competency – B1.1 Licence

Syllabus Reference B1.1 Licence	Units of Competency Providing Full Coverage
Module 1 Mathematics	MEA201B
Module 2 Physics	MEA201B
Module 3 Electrical Fundamentals	
3.1 Electron Theory	MEA201B
3.2 Static Electricity and Conduction	MEA201B
3.3 Electrical Terminology	MEA201B
3.4 Generation of Electricity	MEA201B
3.5 DC Sources of Electricity	MEA201B
3.6 DC Circuits	MEA201B
3.7 Resistance/Resistor	MEA201B
3.8 Power	MEA201B
3.9 Capacitance/Capacitor	MEA201B
3.10 Magnetism	MEA201B

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Syllabus Reference B1.1 Licence	**Units of Competency Providing Full Coverage**
3.11 Inductance/Inductor	MEA201B
3.12 DC Motor/Generator Theory	MEA203C
3.13 AC Theory	MEA203C
3.14 Resistive, Capacitive and Inductive Circuits	MEA203C
3.15 Transformers	MEA203C
3.16 Filters	MEA203C
3.17 AC Generators	MEA203C
3.18 AC Motors	MEA203C
Module 4 Electronic Fundamentals	
4.1 Semiconductors	MEA343B
4.2 Printed Circuit Boards	MEA343B
4.3 Servomechanisms	MEA343B
Module 5 Digital Techniques Electronic Instrument Systems	
5.1 Electronic Instrument Systems	MEA343B
5.2 Numbering Systems	MEA343B
5.3 Data Conversion	MEA343B
5.4 Data Buses	MEA343B
5.5 Logic Circuits	MEA343B
5.6 Basic Computer Structure	MEA343B
5.7 Microprocessors	Not required
5.8 Integrated Circuits	Not required

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Syllabus Reference B1.1 Licence	**Units of Competency Providing Full Coverage**
5.9 Multiplexing	Not required
5.10 Fibre Optics	MEA343B
5.11 Electronic Displays	MEA343B
5.12 Electrostatic Sensitive Devices	MEA343B
5.13 Software Management Control	MEA343B
5.14 Electromagnetic Environment	MEA343B
5.15 Typical Electronic/Digital Aircraft Systems	MEA343B
Module 6 Materials and Handling	
6.1 Aircraft Materials – Ferrous	MEA109B
6.2 Aircraft Materials – Non-Ferrous	MEA109B
6.3 Aircraft Materials – Composite and Non-Metallic	MEA339B
6.4 Corrosion	MEA339B
6.5 Fasteners	MEA109B
6.6 Pipes and Unions	MEA109B
6.7 Springs	MEA109B
6.8 Bearings	MEA302C
6.9 Transmissions	MEA306C
6.10 Control Cables	MEA109B
6.11 Electrical Cables and Connectors	MEA201B, 246C

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Syllabus Reference B1.1 Licence	**Units of Competency Providing Full Coverage**
Module 7 Maintenance Practices	
7.1 Safety Practices – Aircraft and Workshop	MEA101B
7.2 Workshop Practices	MEA107C, 109B
7.3 Tools	MEA109B, 260B
7.4 Avionic General Test Equipment	MEA260B
7.5 Engineering Drawings, Diagrams and Standards	MEA107B
7.6 Fits and Clearances	MEA107B, 109B
7.7 Electrical cables and Connectors	MEA246C
7.8 Riveting	MEA339B
7.9 Pipes and Hoses	MEA302C, 303C, 328C
7.10 Springs	MEA318B, 328C
7.11 Bearings	MEA318B, 319B
7.12 Transmissions	MEA318B, 319B
7.13 Control Cables	MEA318B, 328C
7.14 Material Handling	MEA339B
7.15 Welding, Brazing, Soldering and Bonding	MEA201B, 339B, 365A
7.16 Aircraft Weight and Balance	MEA325B
7.17 Aircraft Handling and Storage	MEA301C
7.18 Disassembly, Inspection, Repair and Assembly	MEA227C, 320B, 321B, 322B, 328C, 339B, 365A

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Syllabus Reference B1.1 Licence	**Units of Competency Providing Full Coverage**
Techniques	
7.19 Abnormal Events	MEA112B
7.20 Maintenance Procedures	MEA112B
Module 8 Basic Aerodynamics	
8.1 Physics of the Atmosphere	MEA321B, 322B
8.2 Aerodynamics	MEA321B
8.3 Theory of Flight	MEA321B
8.4 Flight Stability and Dynamics	MEA321B
Module 9 Human Factors	MEA103B, 113C
Module 10 Aviation Legislation	MEA111B
Module 11 Aeroplane Aerodynamics, Structure and Systems	
11.1 Theory of Flight	MEA321B
11.2 Airframe Structures – General concepts	MEA339B
11.3 Airframe Structures – Aeroplanes	MEA339B
11.4 Air Conditioning and Cabin Pressurisation	MEA219C, 223C, 318B
11.5 Instruments/Avionic Systems	MEA343B
11.6 Electrical Power	MEA203C, 301C
11.7 Equipment and Furnishings	MEA317C
11.8 Fire Protection	MEA223C, 318B
11.9 Flight Controls	MEA223C, 318B, 320B

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Syllabus Reference B1.1 Licence	**Units of Competency Providing Full Coverage**
11.10 Fuel Systems	MEA223C, 301C, 318B
11.11 Hydraulic Power	MEA223C, 301C, 318B
11.12 Ice and Rain Protection	MEA223C, 301C, 318B
11.13 Landing Gear	MEA223C, 318B
11.14 Lights	MEA223C
11.15 Oxygen	MEA222C
11.16 Pneumatic/Vacuum	MEA223C, 318B
11.17 Water/Waste	MEA223C, 318B
11.18 On-Board Maintenance Systems	MEA343B
11.19 Integrated modular avionics	MEA343B
11.20 Cabin intercommunication data systems	MEA343B
11.21 Cabin network services	MEA343B
11.22 Information systems such as air traffic and information management systems and network server systems	MEA343B
Module 15 Gas Turbine Engine	
15.1 Fundamentals	MEA322B
15.2 Engine Performance	MEA322B
15.3 Inlet	MEA223C, 322B
15.4 Compressors	MEA322B
15.5 Combustion Section	MEA322B

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Syllabus Reference B1.1 Licence	**Units of Competency Providing Full Coverage**
15.6 Turbine Section	MEA322B
15.7 Exhaust	MEA322B
15.8 Bearings and Seals	MEA322B
15.9 Lubricants and Fuels	MEA301C
15.10 Lubrication Systems	MEA322B
15.11 Fuel Systems	MEA223C, 322B
15.12 Air Systems	MEA223C, 322B
15.13 Starting and Ignition Systems	MEA223C, 322B
15.14 Engine Indication Systems	MEA223C, 322B, 343B
15.15 Power Augmentation Systems	MEA322B
15.16 Turbo Prop Engines	MEA223C, 322B
15.17 Turbo-Shaft Engines	MEA223C, 322B
15.18 Auxiliary Power Units	MEA223C, 322B
15.19 Power plant Installation	MEA203C, 306C
15.20 Fire Protection Systems	MEA223C, 318B
15.21 Engine Monitoring and Ground Operation	MEA322B, 323B
15.22 Engine Storage and Preservation	MEA306C
Module 17 Propeller	
17.1 Fundamentals	MEA315C
17.2 Propeller Construction	MEA315C
17.3 Propeller Pitch Control	MEA223C, 315C

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Syllabus Reference B1.1 Licence	**Units of Competency Providing Full Coverage**
17.4 Propeller Synchronising	MEA223C, 315C
17.5 Propeller Ice Protection	MEA223C, 315C
17.6 Propeller Maintenance	MEA315C
17.7 Propeller Storage and Preservation	MEA307C

Alignment between CASA Licensing Syllabus and Aeroskills Units of Competency – B1.2 Licence

Syllabus Reference B1.2 Licence	**Units of Competency Providing Full Coverage**
Module 1 Mathematics	MEA201B
Module 2 Physics	MEA201B
Module 3 Electrical Fundamentals	
3.1 Electron Theory	MEA201B
3.2 Static Electricity and Conduction	MEA201B
3.3 Electrical Terminology	MEA201B
3.4 Generation of Electricity	MEA201B
3.5 DC Sources of Electricity	MEA201B
3.6 DC Circuits	MEA201B
3.7 Resistance/Resistor	MEA201B
3.8 Power	MEA201B
3.9 Capacitance/Capacitor	MEA201B
3.10 Magnetism	MEA201B
3.11 Inductance/Inductor	MEA201B
3.12 DC Motor/Generator	MEA203C

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Syllabus Reference B1.2 Licence	**Units of Competency Providing Full Coverage**
Theory	
3.13 AC Theory	MEA203C
3.14 Resistive, Capacitive and Inductive Circuits	MEA203C
3.15 Transformers	MEA203C
3.16 Filters	MEA203C
3.17 AC Generators	MEA203C
3.18 AC Motors	MEA203C
Module 4 Electronic Fundamentals	
4.1 Semiconductors	MEA343B
4.2 Printed Circuit Boards	MEA343B
4.3 Servomechanisms	MEA343B
Module 5 Digital Techniques Electronic Instrument Systems	
5.1 Electronic Instrument Systems	MEA343B
5.2 Numbering Systems	MEA343B
5.3 Data Conversion	MEA343B
5.4 Data Buses	MEA343B
5.5 Logic Circuits	MEA343B
5.6 Basic Computer Structure	MEA343B
5.7 Microprocessors	Not required
5.8 Integrated Circuits	Not required
5.9 Multiplexing	Not required
5.10 Fibre Optics	MEA343B

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Syllabus Reference B1.2 Licence	**Units of Competency Providing Full Coverage**
5.11 Electronic Displays	MEA343B
5.12 Electrostatic Sensitive Devices	MEA343B
5.13 Software Management Control	MEA343B
5.14 Electromagnetic Environment	MEA343B
5.15 Typical Electronic/Digital Aircraft Systems	MEA343B
Module 6 Materials and Handling	
6.1 Aircraft Materials – Ferrous	MEA109B
6.2 Aircraft Materials – Non-Ferrous	MEA109B
6.3 Aircraft Materials – Composite and Non-Metallic	MEA339B
6.4 Corrosion	MEA339B
6.5 Fasteners	MEA109B
6.6 Pipes and Unions	MEA109B
6.7 Springs	MEA109B
6.8 Bearings	MEA302C
6.9 Transmissions	MEA306C
6.10 Control Cables	MEA109B
6.11 Electrical Cables and Connectors	MEA201B, 246C
Module 7 Maintenance Practices	
7.1 Safety Practices – Aircraft	MEA101B

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Syllabus Reference B1.2 Licence	**Units of Competency Providing Full Coverage**
and Workshop	
7.2 Workshop Practices	MEA107B, 109B
7.3 Tools	MEA109B, 260B
7.4 Avionic General Test Equipment	MEA260B
7.5 Engineering Drawings, Diagrams and Standards	MEA107B
7.6 Fits and Clearances	MEA107B, 109B
7.7 Electrical cables and Connectors	MEA246C
7.8 Riveting	MEA339B
7.9 Pipes and Hoses	MEA302C, 303C, 328C
7.10 Springs	MEA309C, 328C
7.11 Bearings	MEA309C, 313C
7.12 Transmissions	MEA309C, 313C
7.13 Control Cables	MEA309C, 328C
7.14 Material Handling	MEA339B
7.15 Welding, Brazing, Soldering and Bonding	MEA201B, 339B, 365A
7.16 Aircraft Weight and Balance	MEA325B
7.17 Aircraft Handling and Storage	MEA301C
7.18 Disassembly, Inspection, Repair and Assembly Techniques	MEA211C, 309C, 313C, 323B, 328C, 339B, 365A
7.19 Abnormal Events	MEA112B
7.20 Maintenance Procedures	MEA112B

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Syllabus Reference B1.2 Licence	**Units of Competency Providing Full Coverage**
Module 8 Basic Aerodynamics	
8.1 Physics of the Atmosphere	MEA312B
8.2 Aerodynamics	MEA312B
8.3 Theory of Flight	MEA312B
8.4 Flight Stability and Dynamics	MEA312B
Module 9 Human Factors	MEA103B, 113C
Module 10 Aviation Legislation	MEA111B
Module 11 Aeroplane Aerodynamics, Structure and Systems	
11.1 Theory of Flight	MEA312B
11.2 Airframe Structures – General concepts	MEA339B
11.3 Airframe Structures – Aeroplanes	MEA339B
11.4 Air Conditioning and Cabin Pressurisation	MEA211C, 219C, 309C
11.5 Instruments/Avionic Systems	MEA343B
11.6 Electrical Power	MEA211C, 301C
11.7 Equipment and Furnishings	MEA304C or 317B
11.8 Fire Protection	MEA211C, 309C
11.9 Flight Controls	MEA211C 312B
11.10 Fuel Systems	MEA211C, 301C, 309C
11.11 Hydraulic Power	MEA211C, 301C, 309C

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Syllabus Reference B1.2 Licence	**Units of Competency Providing Full Coverage**
11.12 Ice and Rain Protection	MEA211C, 301C, 309C
11.13 Landing Gear	MEA211C, 309C
11.14 Lights	MEA211C
11.15 Oxygen	MEA222C
11.16 Pneumatic/Vacuum	MEA211C, 310C
11.17 Water/Waste	MEA211C, 309C
11.18 On Board Maintenance Systems	MEA343B
11.19 Integrated modular avionics	MEA343B
11.20 Cabin intercommunication data systems	MEA343B
11.21 Cabin network services	MEA343B
11.22 Information systems such as air traffic and information management systems and network server systems	MEA343B
Module 16 Piston Engine	
16.1 Fundamentals	MEA313C
16.2 Engine Performance	MEA313C
16.3 Engine Construction	MEA313C
16.4 Engine Fuel Systems	MEA211C, 313C, 343B
16.5 Starting and Ignition Systems	MEA211C, 313C
16.6 Induction, Exhaust and Cooling Systems	MEA313C
16.7	MEA313C

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Syllabus Reference B1.2 Licence	**Units of Competency Providing Full Coverage**
Supercharging/Turbocharging	
16.8 Lubricants and Fuels	MEA301C, 313C
16.9 Lubrication Systems	MEA313C
16.10 Engine Indication Systems	MEA211C, 313C, 343B
16.11 Powerplant Installation	MEA203C, 306C
16.12 Engine Monitoring and Ground Operation	MEA313C
16.13 Engine Storage and Preservation	MEA306C
Module 17 Propeller	
17.1 Fundamentals	MEA315B
17.2 Propeller Construction	MEA315B
17.3 Propeller Pitch Control	MEA223C, 315B
17.4 Propeller Synchronising	MEA223C, 315B
17.5 Propeller Ice Protection	MEA223C, 315B
17.6 Propeller Maintenance	MEA315B
17.7 Propeller Storage and Preservation	MEA307B

Alignment between CASA Licensing Syllabus and Aeroskills Units of Competency – B1.3 Licence

Syllabus Reference B1.3 Licence	**Units of Competency Providing Full Coverage**
Module 1 Mathematics	MEA201B
Module 2 Physics	MEA201B
Module 3 Electrical Fundamentals	

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Syllabus Reference B1.3 Licence	**Units of Competency Providing Full Coverage**
3.1 Electron Theory	MEA201B
3.2 Static Electricity and Conduction	MEA201B
3.3 Electrical Terminology	MEA201B
3.4 Generation of Electricity	MEA201B
3.5 DC Sources of Electricity	MEA201B
3.6 DC Circuits	MEA201B
3.7 Resistance/Resistor	MEA201B
3.8 Power	MEA201B
3.9 Capacitance/Capacitor	MEA201B
3.10 Magnetism	MEA201B
3.11 Inductance/Inductor	MEA201B
3.12 DC Motor/Generator Theory	MEA203C
3.13 AC Theory	MEA203C
3.14 Resistive, Capacitive and Inductive Circuits	MEA203C
3.15 Transformers	MEA203C
3.16 Filters	MEA203C
3.17 AC Generators	MEA203C
3.18 AC Motors	MEA203C
Module 4 Electronic Fundamentals	
4.1 Semiconductors	MEA343B
4.2 Printed Circuit Boards	MEA343B

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Syllabus Reference B1.3 Licence	**Units of Competency Providing Full Coverage**
4.3 Servomechanisms	MEA343B
Module 5 Digital Techniques Electronic Instrument Systems	
5.1 Electronic Instrument Systems	MEA343B
5.2 Numbering Systems	MEA343B
5.3 Data Conversion	MEA343B
5.4 Data Buses	MEA343B
5.5 Logic Circuits	MEA343B
5.6 Basic Computer Structure	MEA343B
5.7 Microprocessors	Not required
5.8 Integrated Circuits	Not required
5.9 Multiplexing	Not required
5.10 Fibre Optics	MEA343B
5.11 Electronic Displays	MEA343B
5.12 Electrostatic Sensitive Devices	MEA343B
5.13 Software Management Control	MEA343B
5.14 Electromagnetic Environment	MEA343B
Typical Electronic/Digital Aircraft Systems	MEA343B
Module 6 Materials and Handling	
6.1 Aircraft Materials – Ferrous	MEA109B
6.2 Aircraft Materials –	MEA109B

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Syllabus Reference B1.3 Licence	**Units of Competency Providing Full Coverage**
Non-Ferrous	
6.3 Aircraft Materials – Composite and Non-Metallic	MEA339B
6.4 Corrosion	MEA339B
6.5 Fasteners	MEA109B
6.6 Pipes and Unions	MEA109B
6.7 Springs	MEA109B
6.8 Bearings	MEA302C
6.9 Transmissions	MEA306C
6.10 Control Cables	MEA109B
6.11 Electrical Cables and Connectors	MEA201B, 246C
Module 7 Maintenance Practices	
7.1 Safety Practices – Aircraft and Workshop	MEA101B
7.2 Workshop Practices	MEA107B, 109B
7.3 Tools	MEA109B, 260B
7.4 Avionic General Test Equipment	MEA260B
7.5 Engineering Drawings, Diagrams and Standards	MEA107B
7.6 Fits and Clearances	MEA107B, 109B
7.7 Electrical cables and Connectors	MEA246C
7.8 Riveting	MEA339B
7.9 Pipes and Hoses	MEA302C, 303C, 328C

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Syllabus Reference B1.3 Licence	**Units of Competency Providing Full Coverage**
7.10 Springs	MEA309C, 328C
7.11 Bearings	MEA309C, 319B
7.12 Transmissions	MEA309C, 316C
7.13 Control Cables	MEA316C, 328C
7.14 Material Handling	MEA339B
7.15 Welding, Brazing, Soldering and Bonding	MEA201B, 339B, 365A
7.16 Aircraft Weight and Balance	MEA325B
7.17 Aircraft Handling and Storage	MEA301C
7.18 Disassembly, Inspection, Repair and Assembly Techniques	MEA309C, 322B, 323B, 328C, 339B, 365A
7.19 Abnormal Events	MEA112B
7.20 Maintenance Procedures	MEA112B
Module 8 Basic Aerodynamics	
8.1 Physics of the Atmosphere	MEA316C, 322B
8.2 Aerodynamics	MEA316C
8.3 Theory of Flight	MEA316C
8.4 Flight Stability and Dynamics	MEA316C
Module 9 Human Factors	MEA103B, 113C
Module 10 Aviation Legislation	MEA111B
Module 12 Helicopter Aerodynamics, Structures and Systems	

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Syllabus Reference B1.3 Licence	**Units of Competency Providing Full Coverage**
12.1 Theory of Flight – Rotary Wing Aerodynamics	MEA316C
12.2 Flight Control Systems	MEA316C
12.3 Blade Tracking and Vibration Analysis	MEA316C
12.4 Transmissions	MEA316C
12.5 Airframe Structures	MEA304C, 339B
12.6 Air Conditioning	MEA301C
12.7 Instruments/Avionic Systems	MEA343B
12.8 Electrical Power	MEA223C, 301C
12.9 Equipment and Furnishings	MEA304C
12.10 Fire Protection	MEA223C, 318B
12.11 Fuel Systems	MEA223C, 301C, 309C
12.12 Hydraulic Power	MEA223C, 309C
12.13 Ice and Rain Protection	MEA223C, 310C
12.14 Landing Gear	MEA223C, 309C
12.15 Lights	MEA223C
12.16 Pneumatic/Vacuum	MEA223C, 310C
12.17 Integrated modular avionics	MEA343B
12.18 On Board Maintenance Systems	MEA343B
12.19 Information systems such as air traffic and information management systems and network server systems	MEA343B

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Syllabus Reference B1.3 Licence	**Units of Competency Providing Full Coverage**
Module 15 Gas Turbine Engine	
15.1 Fundamentals	MEA322B
15.2 Engine Performance	MEA322B
15.3 Inlet	MEA223C, 322B
15.4 Compressors	MEA322B
15.5 Combustion Section	MEA322B
15.6 Turbine Section	MEA322B
15.7 Exhaust	MEA322B
15.8 Bearings and Seals	MEA322B
15.9 Lubricants and Fuels	MEA301C
15.10 Lubrication Systems	MEA322B
15.11 Fuel Systems	MEA223C, 322B
15.12 Air Systems	MEA223C, 322B
15.13 Starting and Ignition Systems	MEA223C, 322B
15.14 Engine Indication Systems	MEA322B, 343B
15.15 Power Augmentation Systems	MEA322B
15.16 Turbo Prop Engines	MEA223C, 322B
15.17 Turbo-Shaft Engines	MEA223C, 322B
15.18 Auxiliary Power Units	MEA223C, 322B
15.19 Powerplant Installation	MEA203C, 306C
15.20 Fire Protection Systems	MEA223C, 310C

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Syllabus Reference B1.3 Licence	**Units of Competency Providing Full Coverage**
15.21 Engine Monitoring and Ground Operation	MEA322B, 323B
15.22 Engine Storage and Preservation	MEA306C

Alignment between CASA Licensing Syllabus and Aeroskills Units of Competency – B1.4 Licence

Syllabus Reference B1.4 Licence	**Units of Competency Providing Full Coverage**
Module 1 Mathematics	MEA201B
Module 2 Physics	MEA201B
Module 3 Electrical Fundamentals	
3.1 Electron Theory	MEA201B
3.2 Static Electricity and Conduction	MEA201B
3.3 Electrical Terminology	MEA201B
3.4 Generation of Electricity	MEA201B
3.5 DC Sources of Electricity	MEA201B
3.6 DC Circuits	MEA201B
3.7 Resistance/Resistor	MEA201B
3.8 Power	MEA201B
3.9 Capacitance/Capacitor	MEA201B
3.10 Magnetism	MEA201B
3.11 Inductance/Inductor	MEA201B
3.12 DC Motor/Generator Theory	MEA203C

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Syllabus Reference B1.4 Licence	**Units of Competency Providing Full Coverage**
3.13 AC Theory	MEA203C
3.14 Resistive, Capacitive and Inductive Circuits	MEA203C
3.15 Transformers	MEA203C
3.16 Filters	MEA203C
3.17 AC Generators	MEA203C
3.18 AC Motors	MEA203C
Module 4 Electronic Fundamentals	
4.1 Semiconductors	MEA343B
4.2 Printed Circuit Boards	MEA343B
4.3 Servomechanisms	MEA343B
Module 5 Digital Techniques Electronic Instrument Systems	
5.1 Electronic Instrument Systems	MEA343B
5.2 Numbering Systems	MEA343B
5.3 Data Conversion	MEA343B
5.4 Data Buses	MEA343B
5.5 Logic Circuits	MEA343B
5.6 Basic Computer Structure	MEA343B
5.7 Microprocessors	Not required
5.8 Integrated Circuits	Not required
5.9 Multiplexing	Not required
5.10 Fibre Optics	MEA343B

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Syllabus Reference B1.4 Licence	**Units of Competency Providing Full Coverage**
5.11 Electronic Displays	MEA343B
5.12 Electrostatic Sensitive Devices	MEA343B
5.13 Software Management Control	MEA343B
5.14 Electromagnetic Environment	MEA343B
5.15 Typical Electronic/Digital Aircraft Systems	MEA343B
Module 6 Materials and Handling	
6.1 Aircraft Materials – Ferrous	MEA109B
6.2 Aircraft Materials – Non-Ferrous	MEA109B
6.3 Aircraft Materials – Composite and Non-Metallic	MEA339B
6.4 Corrosion	MEA339B
6.5 Fasteners	MEA109B
6.6 Pipes and Unions	MEA109B
6.7 Springs	MEA109B
6.8 Bearings	MEA302C
6.9 Transmissions	MEA306C
6.10 Control Cables	MEA109B
6.11 Electrical Cables and Connectors	MEA201B, 246C
Module 7 Maintenance Practices	
7.1 Safety Practices – Aircraft	MEA101B

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Syllabus Reference B1.4 Licence	**Units of Competency Providing Full Coverage**
and Workshop	
7.2 Workshop Practices	MEA107B, 109B
7.3 Tools	MEA109B, 260B
7.4 Avionic General Test Equipment	MEA260B
7.5 Engineering Drawings, Diagrams and Standards	MEA107B
7.6 Fits and Clearances	MEA107B, 109B
7.7 Electrical cables and Connectors	MEA246C
7.8 Riveting	MEA339B
7.9 Pipes and Hoses	MEA302C, 303C, 328C
7.10 Springs	MEA309C, 328C
7.11 Bearings	MEA309C, 313C, 316C
7.12 Transmissions	MEA309C, 316C
7.13 Control Cables	MEA309C, 328C
7.14 Material Handling	MEA339B
7.15 Welding, Brazing, Soldering and Bonding	MEA201B, 339B, 365A
7.16 Aircraft Weight and Balance	MEA325B
7.17 Aircraft Handling and Storage	MEA301C
7.18 Disassembly, Inspection, Repair and Assembly Techniques	MEA211C, 309C, 313C,316C, 323B, 328C, 339B, 365A
7.19 Abnormal Events	MEA112B
7.20 Maintenance Procedures	MEA112B

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Syllabus Reference B1.4 Licence	**Units of Competency Providing Full Coverage**
Module 8 Basic Aerodynamics	
8.1 Physics of the Atmosphere	MEA316C
8.2 Aerodynamics	MEA316C
8.3 Theory of Flight	MEA316C
8.4 Flight Stability and Dynamics	MEA316C
Module 9 Human Factors	MEA103B, 113C
Module 10 Aviation Legislation	MEA111B
Module 12 Helicopter Aerodynamics, Structures and Systems	
12.1 Theory of Flight – Rotary Wing Aerodynamics	MEA316C
12.2 Flight Control Systems	MEA316C
12.3 Blade Tracking and Vibration Analysis	MEA316C
12.4 Transmissions	MEA316C
12.5 Airframe Structures	MEA304C, 339B
12.6 Air Conditioning	MEA301C
12.7 Instruments/Avionic Systems	MEA343B
12.8 Electrical Power	MEA223C, 301C
12.9 Equipment and Furnishings	MEA304C
12.10 Fire Protection	MEA223C, 310C
12.11 Fuel Systems	MEA223C, 301C, 309C
12.12 Hydraulic Power	MEA223C, 309C

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Syllabus Reference B1.4 Licence	**Units of Competency Providing Full Coverage**
12.13 Ice and Rain Protection	MEA223C, 310C
12.14 Landing Gear	MEA223C, 309C
12.15 Lights	MEA223C
12.16 Pneumatic/Vacuum	MEA223C, 310C
12.17 Integrated modular avionics	MEA343B
12.18 On Board Maintenance Systems	MEA343B
12.19 Information systems such as air traffic and information management systems and network server systems	MEA343B
Module 16 Piston Engine	
16.1 Fundamentals	MEA313C
16.2 Engine Performance	MEA313C
16.3 Engine Construction	MEA313C
16.4 Engine Fuel Systems	MEA211C, 313C, 343B
16.5 Starting and Ignition Systems	MEA211C, 313C
16.6 Induction, Exhaust and Cooling Systems	MEA313C
16.7 Supercharging/Turbocharging	MEA313C
16.8 Lubricants and Fuels	MEA301C, 313C
16.9 Lubrication Systems	MEA313C
16.10 Engine Indication Systems	MEA211C, 313C, 340A
16.11 Power plant Installation	MEA203C, 306C

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Syllabus Reference B1.4 Licence	**Units of Competency Providing Full Coverage**
16.12 Engine Monitoring and Ground Operation	MEA313C
16.13 Engine Storage and Preservation	MEA306C

Alignment between CASA Licensing Syllabus and Aeroskills Units of Competency – B2 Licence

Syllabus Reference B2 Licence	**Units of Competency Providing Full Coverage**
Module 1 Mathematics	MEA201B
Module 2 Physics	MEA201B
Module 3 Electrical Fundamentals	
3.1 Electron Theory	MEA201B
3.2 Static Electricity and Conduction	MEA201B
3.3 Electrical Terminology	MEA201B
3.4 Generation of Electricity	MEA201B
3.5 DC Sources of Electricity	MEA201B
3.6 DC Circuits	MEA201B
3.7 Resistance/Resistor	MEA201B
3.8 Power	MEA201B
3.9 Capacitance/Capacitor	MEA201B
3.10 Magnetism	MEA201B
3.11 Inductance/Inductor	MEA201B
3.12 DC Motor/Generator Theory	MEA203C
3.13 AC Theory	MEA203C

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Syllabus Reference B2 Licence	**Units of Competency Providing Full Coverage**
3.14 Resistive, Capacitive and Inductive Circuits	MEA203C
3.15 Transformers	MEA203C
3.16 Filters	MEA203C
3.17 AC Generators	MEA203C
3.18 AC Motors	MEA203C
Module 4 Electronic Fundamentals	
4.1 Semiconductors	MEA228C
4.2 Printed Circuit Boards	MEA207C
4.3 Servomechanisms	MEA228C, 230B
Module 5 Digital Techniques Electronic Instrument Systems	
5.1 Electronic Instrument Systems	MEA228C
5.2 Numbering Systems	MEA228C
5.3 Data Conversion	MEA228C
5.4 Data Buses	MEA228C
5.5 Logic Circuits	MEA228C
5.6 Basic Computer Structure	MEA228C
5.7 Microprocessors	MEA228C
5.8 Integrated Circuits	MEA228C
5.9 Multiplexing	MEA228C
5.10 Fibre Optics	MEA228C
5.11 Electronic Displays	MEA228C
5.12 Electrostatic Sensitive	MEA207C

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Syllabus Reference B2 Licence	**Units of Competency Providing Full Coverage**
Devices	
5.13 Software Management Control	MEA228C
5.14 Electromagnetic Environment	MEA207C
5.15 Typical Electronic/Digital Aircraft Systems	MEA228C, 230B, 232B
Module 6 Materials and Handling	
6.1 Aircraft Materials – Ferrous	MEA109B
6.2 Aircraft Materials – Non-Ferrous	MEA109B
6.3 Aircraft Materials – Composite and Non-Metallic	MEA109B
6.4 Corrosion	MEA223C
6.5 Fasteners	MEA109B
6.6 Pipes and Unions	MEA109B
6.7 Springs	MEA109B
6.8 Bearings	MEA203C
6.9 Transmissions	MEA203C
6.10 Control Cables	MEA109B
6.11 Electrical Cables and Connectors	MEA201B, 246C
Module 7 Maintenance Practices	
7.1 Safety Practices – Aircraft and Workshop	MEA101B
7.2 Workshop Practices	MEA107B, 109B
7.3 Tools	MEA109B, 260B

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Syllabus Reference B2 Licence	**Units of Competency Providing Full Coverage**
7.4 Avionic General Test Equipment	MEA260B
7.5 Engineering Drawings, Diagrams and Standards	MEA107B
7.6 Fits and Clearances	MEA107B, 109B
7.7 Electrical cables and Connectors	MEA246C
7.8 Riveting	Not required
7.9 Pipes and Hoses	Not required
7.10 Springs	Not required
7.11 Bearings	Not required
7.12 Transmissions	Not required
7.13 Control Cables	Not required
7.14 Material Handling	Not required
7.15 Welding, Brazing, Soldering and Bonding (a) only	MEA201B
7.16 Aircraft Weight and Balance (a) only	MEA241B
7.17 Aircraft Handling and Storage	MEA301C
7.18 Disassembly, Inspection, Repair and Assembly Techniques	MEA227C, 228C, 229C, 230B, 232B, 235B
7.19 Abnormal Events	MEA112B
7.20 Maintenance Procedures	MEA112B
Module 8 Basic Aerodynamics	
8.1 Physics of the Atmosphere	MEA228C, 230B
8.2 Aerodynamics	MEA230B

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Syllabus Reference B2 Licence	**Units of Competency Providing Full Coverage**
8.3 Theory of Flight	MEA230B
8.4 Flight Stability and Dynamics	MEA230B
Module 9 Human Factors	MEA103B, 113C
Module 10 Aviation Legislation	MEA111B
Module 13 Aircraft Aerodynamics, Structures and Systems	
13.1 Theory of Flight	MEA230B or 218B
13.2 Structures – General Concepts	MEA103B, 203C, 223C
13.3 Autoflight	MEA230B or 231B
13.4 Communication/Navigation	MEA228C, 229C, 232B
13.5 Electrical Power	MEA223C
13.6 Equipment and Furnishings	MEA226C
13.7 Flight Controls	MEA223C, 230B, 235B or 211C, 231B, 235B
13.8 Instrument Systems	MEA227C, 228C
13.9 Lights	MEA223C
13.10 On Board Maintenance Systems	MEA228C
13.11 Air conditioning and cabin pressurisation	MEA223C, 227C
13.12 Fire protection	MEA223C, 227C
13.13 Fuel systems	MEA223C, 227C, 301C
13.14 Ice and rain protection	MEA223C, 227C
13.15 Integrated modular avionics	MEA226C, 228C

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Syllabus Reference B2 Licence	**Units of Competency Providing Full Coverage**
13.16 Cabin intercommunication data systems	MEA226C, 229C
13.17 Cabin network services	MEA226C, 229C
13.18 Information systems such as air traffic and information management systems and network server systems	MEA226C, 229C
13.19 Indications and warning	MEA223C, 227C
Module 14 Propulsion	
14.1 Turbine Engines	MEA227C, 224B
14.2 Engine Indicating Systems	MEA224B

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