



**Australian Government**

# **MEA20511 Certificate II in Aircraft Line Maintenance**

**Release 2**

# MEA20511 Certificate II in Aircraft Line Maintenance

## Modification History

Release 2 - Licensing requirements clarified - equivalent

Release 1 - Unit codes updated as required - equivalent

## Description

This qualification is applicable to employees of airlines and other operators of piston, jet and turbo-propeller aircraft and helicopters who are required to hold a CASA A Licence to perform and certify a range of specified maintenance tasks that can be performed with the aircraft on a flight line or at the departure gate. On completion of the required maintenance tasks the individual is authorised to release the aircraft to service.

The qualification satisfies CASA requirements for the grant, under CASR Part 66, of an Aircraft Maintenance Engineer A Licence when:

- the skills and knowledge requirements align with CASA syllabus requirements described under 'Licensing' in the Assessment Guidelines and in Appendix 1
- training has been delivered in accordance with the requirements of CASR Part 147.

The units of competency that comprise this qualification consist of a mix of:

- common units that are applicable to all of the employment streams covered by the MEA11 Aeroskills Training Package or are of an administrative nature relating to the CASA A Licence
- a combination of Avionic, Mechanical and Structures Technical Stream units that apply to the range of tasks performed by the holders of CASA A Licences.
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## Pathways Information

This qualification provides a number of credits towards higher level Aeroskills Certificates and towards the Diploma of Aeroskills (Mechanical) which is required for the grant of a CASA B1 licence.

## Licensing/Regulatory Information

This qualification meets the requirements of CASA for the grant of an Aircraft Maintenance Engineer A Licence.

## Entry Requirements

Not applicable.

## Employability Skills Summary

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none"> <li>• Understanding work and organisational instructions</li> <li>• Seeking guidance and describing clearly faults, problems and spares requirements</li> <li>• Negotiating with maintenance controllers or supervisors regarding timing and progress of work activities</li> <li>• Understanding and interpreting regulations, procedures, instructions and maintenance publications</li> <li>• Completing maintenance releases, other documentation and component tags</li> <li>• Reading drawings relating to maintenance activities</li> <li>• Using computers to obtain maintenance data and complete documentation</li> <li>• Networking with other team members regarding work planning and execution</li> </ul>
Teamwork	<ul style="list-style-type: none"> <li>• Performing tasks as an individual while being responsive to maintenance controllers or supervisors and allowing for relevant human factors</li> <li>• Working effectively with others who may be of different ages, gender, race, religion and political persuasion</li> <li>• Working effectively as a member of a maintenance organisation and gaining the trust and support of other members of the organisation</li> </ul>
Problem solving	<ul style="list-style-type: none"> <li>• Identifying problems and developing practical solutions to maintenance problems not fully covered by maintenance data that are within the scope of the CASA A Licence</li> <li>• Proposing solutions to problems as modifications or amendments to specified maintenance processes</li> <li>• Responding to emergencies or accidents in accordance with regulatory and organisational requirements</li> <li>• Using mathematical techniques to obtain and apply dimensional and tolerance data and to convert values between systems of measurement</li> </ul>
Initiative and enterprise	<ul style="list-style-type: none"> <li>• Adapting to new situations that arise as a consequence of revised maintenance data, practices and procedures</li> <li>• Varying work practices and behaviour as a result of performance feedback during competency development and job performance</li> <li>• Evaluating ideas that may result in modifications or changes to work processes within the scope of the CASA A Licence</li> <li>• Applying human factors to avoid maintenance errors and maintain quality standards and adapting competencies to the performance of the range of maintenance tasks that are within</li> </ul>

	<p>the scope of the CASA A Licence</p> <ul style="list-style-type: none"><li>• Contributing to a process of continuous improvement and a willingness to support and participate in the effective introduction of new work practices</li></ul>
Planning and organising	<ul style="list-style-type: none"><li>• Clarifying task objectives and required outcomes with maintenance controllers or supervisors</li></ul>
Self-management	<ul style="list-style-type: none"><li>• Accepting responsibility for managing individual workload to meet target completion times or fit in with team milestones</li><li>• Actively seeking opportunities to develop competencies and to apply them across a range of tasks and monitoring performance using indicators such as the extent of oversight exercised by supervisors</li><li>• Identifying career paths beyond Certificate II, especially with regard to progression to an applicable B1 Licence</li></ul>
Learning	<ul style="list-style-type: none"><li>• Taking advantage of learning opportunities that arise through type training and organisational continuation training</li><li>• Adapting competencies to accommodate new ideas and techniques</li><li>• Using feedback from supervisors to identify ways in which competence can be improved</li></ul>
Technology	<ul style="list-style-type: none"><li>• Maintaining aircraft within the scope of the CASA A Licence and selecting applicable tools and support equipment</li><li>• Storing and caring for components, tools and support equipment</li><li>• Using test equipment that is within the scope of the CASA A Licence</li><li>• Amending print-based maintenance publications</li><li>• Using on-board maintenance systems to identify maintenance requirements</li><li>• Using computers and microfiche to obtain maintenance data and using computers to complete documentation</li></ul>

## Packaging Rules

To be awarded the MEA20511 Certificate II in Aircraft Line Maintenance, competency must be demonstrated in **fifteen (15)** units of competency, as follows:

- **fourteen (14)** Core units made up of common, imported and technical stream units
- **one (1)** unit from Elective Group A, chosen according to the CASA A licence that is being sought.

### Core units of competency

Unit code	Unit title	Prerequisites
MEA101B	Interpret occupational health and safety practices in aviation maintenance	Nil
MEA103B	Plan and organise aviation maintenance work activities	MEA101B, MEA105C, MEA107B, MEA108B
MEA105C	Apply quality standards applicable to aviation maintenance processes	MEA101B, MEA107B
MEA107B	Interpret and use aviation maintenance industry manuals and specifications	Nil
MEA108B	Complete aviation maintenance industry documentation	MEA105C
MEA109B	Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance	MEA105C, MEA108B
MEA117A	Apply self in the aviation maintenance environment	Nil
MEA119B	Perform administrative processes to prepare for certification of civil aircraft A level line maintenance	All Certificate II units relevant to the applicable A Licence
MEA240B	Use electrical test equipment to perform basic electrical tests	MEA101B, MEA103B, MEA105C, MEA107B, MEA108B, MEA109B
MEA264A	Remove and install aircraft electrical/avionic components during line maintenance	MEA265A
MEA265A	Remove and install general aircraft electrical hardware	MEA101B, MEA103B,

Unit code	Unit title	Prerequisites
		MEA105C, MEA107B, MEA108B, MEA109B
MEA344A	Remove and install aircraft components	MEA101B, MEA103B, MEA105C, MEA107B, MEA108B, MEA109B
MEA418A	Perform basic repair of aircraft internal fittings during line maintenance	MEA101B, MEA103B, MEA105C, MEA107B, MEA108B, MEA109B
MSAENV272 B	Participate in environmentally sustainable work practices	Nil

### Elective units Group A

Unit code	Unit title	Prerequisites	Unit applicability
MEA345A	Perform scheduled line maintenance activities on gas turbine engine fixed wing aircraft	MEA101B MEA103B MEA105C MEA107B MEA108B MEA109B	Mandatory where A1 Licence is sought
MEA346A	Perform scheduled line maintenance activities on gas turbine engine rotary wing aircraft	MEA101B MEA103B MEA105C MEA107B MEA108B MEA109B	Mandatory where A3 Licence is sought
MEA347A	Perform scheduled line maintenance activities on piston engine fixed wing aircraft	MEA101B MEA103B MEA105C	Mandatory where A2 Licence is sought

Unit code	Unit title	Prerequisites	Unit applicability
		MEA107B MEA108B MEA109B	
MEA348A	Perform scheduled line maintenance activities on piston engine rotary wing aircraft	MEA101B MEA103B MEA105C MEA107B MEA108B MEA109B	Mandatory where A4 Licence is sought

## Custom Content Section

Not applicable.