



Australian Government

# **MEA50422 Diploma of Aviation Maintenance Management**

**Release: 1**

# MEA50422 Diploma of Aviation Maintenance Management

## Modification History

Release 1. Redesigned qualification merging MEA50318 Diploma of Aviation Maintenance Management (Avionics) and MEA50418 Diploma of Aviation Maintenance Management (Mechanical).

## Qualification Description

This qualification reflects the roles of avionic or mechanical maintenance team leaders, maintenance planners, spares assessors, repairable item managers and technical authors in both the Civil Aviation Safety Authority (CASA) and Defence Aviation Safety Authority (DASA) regulatory environments.

Workers apply scientific and mathematical principles and techniques according to established procedures and operating variables. Workers may lead a team and be required to communicate, demonstrate, coordinate and supervise work methods, compliance and safety standards.

This qualification applies to workplaces that operate under the airworthiness regulatory systems of DASA and CASA. Any regulatory/licensing requirements associated with any MEA units of competency must be met.

## Entry Requirements

Entry to this qualification is open to individuals who can perform scheduled inspections, fault diagnosis and repair, and modification of:

airframes and airframe mechanical, hydraulic and pneumatic systems and components or

- aircraft electrical, instrument and radio systems and system components.

Evidence of these competencies is provided through one of the following:

- at least 5 years current aviation (mechanical or avionics) maintenance experience
- Maintenance Engineer Licence (Avionics) issued by CASA
- Maintenance Engineer Licence (Mechanical) issued by CASA
- Certificate IV in Aeroskills (Avionics)
- Certificate IV in Aeroskills (Mechanical).

## Packaging Rules

For the award of Diploma of Aviation Maintenance Management (Avionics), 13 units must be selected, consisting of

- 10 core units
- 3 elective units, consisting of:

- 1 unit from Group A
- 2 units from Group C.

For the award of Diploma of Aviation Maintenance Management (Mechanical), 13 units must be selected, consisting of

- 10 core units
- 3 elective units, consisting of:
  - 1 unit from Group B
  - 2 units from Group C.

## CORE UNITS

Unit code	Unit title	Prerequisites
MEA116	Apply work health and safety procedures at supervisor level in aviation maintenance	nil
MEA142	Manage self in the aviation maintenance environment	nil
MEACOM002 2	Use computers in aviation maintenance-related integrated logistic support activities	nil
MEACOM003 2	Communicate aviation technical and maintenance management knowledge	nil
MEACOM003 8	Manage aircraft and aeronautical product configuration	nil
MEAENG000 3	Select and test aviation engineering materials	nil
MEM23004A	Apply technical mathematics	nil
MEM30007A	Select common engineering materials	nil
MEM30012A	Apply mathematical techniques in a manufacturing, engineering or related environment	nil
MSMENV472	Implement and monitor environmentally sustainable work practices	nil

**ELECTIVE UNITS**

## Group A - AVIONIC specialisation

<b>Unit code</b>	<b>Unit title</b>	<b>Prerequisites</b>
MEAENG0002	Apply basic scientific principles and techniques in avionic engineering situations	MEM23004A Apply technical mathematics

## Group B - MECHANICAL specialisation

<b>Unit code</b>	<b>Unit title</b>	<b>Prerequisites</b>
MEAENG0001	Apply basic scientific principles and techniques in aeronautical engineering situations	MEM23004A Apply technical mathematics

## Group C - other electives

<b>Unit code</b>	<b>Unit title</b>	<b>Prerequisites</b>
MEACOM0024	Supervise aviation maintenance teams and perform maintenance quality inspections	Nil
MEACOM0040	Assess aviation maintenance spares and manage repairable items	MEACOM0022 Use computers in aviation maintenance-related integrated logistic support activities
MEACOM0041	Write aviation technical publications	nil
MEACOM0043	Perform airworthiness management and maintenance program tasks	nil
MEAENG0005	Perform aircraft weight control activities	nil

## Qualification Mapping Information

Release 1. Supersedes and is not equivalent to MEA50318 Diploma of Aviation Maintenance Management (Avionics) and MEA50418 Diploma of Aviation Maintenance Management (Mechanical).

### Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=ce216c9c-04d5-4b3b-9bcf-4e81d0950371>