



Australian Government

# **MEA60222 Advanced Diploma of Aviation Maintenance Management**

**Release 1**

# MEA60222 Advanced Diploma of Aviation Maintenance Management

## Modification History

Release 1. Redesigned qualification merging MEA60118 Advanced Diploma of Aviation Maintenance Management (Avionics) and MEA60218 Advanced Diploma of Aviation Maintenance Management (Mechanical).

## Qualification Description

This qualification reflects the roles of mechanical or avionic maintenance managers and integrated logistic support (ILS) managers in both the Civil Aviation Safety Authority (CASA) and Defence Aviation Safety Authority (DASA) regulatory environments.

Workers apply broad aviation maintenance skills and knowledge to manage maintenance compliance, risks, safety, and personnel according to established procedures and operating variables. This may include identifying and addressing requirements and problems within complex and changing contexts.

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

## Entry Requirements

Entry to this qualification is open to individuals who have:

- performed 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
- applied scientific and mathematical principles and techniques according to established procedures and operating variables
- led a team or managed areas or processes that involved communicating, demonstrating, coordinating and supervising work methods, compliance and safety standards.

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

- at least five 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)
- Diploma of Aviation Maintenance Management

## Packaging Rules

**Total number of units = 20**

- 15 core units
- 5 elective units, consisting of:
  - the Group A unit or the Group B unit
  - 4 units from Group C.

The electives chosen must contribute to a valid, industry-supported vocational outcome.

For the award of Advanced Diploma of Aviation Maintenance Management (Avionics), the Group A elective must be selected.

For the award of Advanced Diploma of Aviation Maintenance Management (Mechanical), the Group B elective must be selected.

### CORE UNITS

Unit code	Unit title	Prerequisites
MEA142	Manage self in the aviation maintenance environment	nil
MEACOM001 1	Manage an aviation maintenance quality system	nil
MEACOM001 2	Manage aviation maintenance work environment policy and practices	nil
MEACOM001 3	Develop aviation maintenance personnel	nil
MEACOM002 1	Establish, maintain and evaluate the organisation's work health and safety system	nil
MEACOM002 2	Use computers in aviation maintenance-related integrated logistic support activities	nil
MEACOM002 5	Manage risk in aviation maintenance	nil
MEACOM002 8	Coordinate change programs in the aviation maintenance environment	nil
MEACOM003 2	Communicate aviation technical and maintenance management knowledge	nil
MEACOM003 8	Manage aircraft and aeronautical product configuration	nil

MEAENG0003	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
MSMENV672	Develop workplace policy and procedures for environmental sustainability	nil

## ELECTIVE UNITS

### Group A: Avionic specialisation

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

### Group B: Mechanical specialisation

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

### Group C: Other Electives

Unit code	Unit title	Prerequisites
MEA160	Manage aircraft and equipment system performance testing	MEA126 Manage aircraft maintenance activities
MEA163	Perform aviation technical publication management activities	nil
MEACOM0006	Plan and implement aeronautical product maintenance activities	nil
MEACOM0014	Manage aircraft maintenance activities	nil
MEACOM001	Provide technical advice in the maintenance	MEAENG0003 Select and test

5	and management of aircraft and aeronautical product	aviation engineering materials
MEACOM0016	Provide engineering advice in the modification, maintenance and management of aircraft systems	MEAENG0003 Select and test aviation engineering materials
MEACOM0017	Investigate technical aspects of aviation occurrences	nil
MEACOM0018	Manage deployed/detached aviation maintenance activities	nil
MEACOM0019	Manage the custody, transfer and disposal of aircraft, aeronautical product and support equipment	nil
MEACOM0020	Manage budgetary resources in the aviation maintenance environment	nil
MEACOM0023	Perform aviation maintenance-related integrated logistic support management activities	nil
MEACOM0024	Supervise aviation maintenance teams and perform maintenance quality inspections	nil
MEACOM0027	Develop and manage maintenance error management programs	nil
MEACOM0030	Prepare and manage aviation maintenance organisation budgets and financial plans	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. Redesigned qualification. Supersedes and is not equivalent to MEA60218 Advanced Diploma of Aviation Maintenance Management (Mechanical) and MEA60118 Advanced Diploma of Aviation Maintenance Management (Avionics).

## Links

Companion Volume implementation guides are found in VETNet -

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