



Australian Government

**MEA50418 Diploma of Aviation
Maintenance Management (Mechanical)**

Release: 1

MEA50418 Diploma of Aviation Maintenance Management (Mechanical)

Modification History

Release 1. Supersedes and equivalent to MEA50415 Diploma of Aviation Maintenance Management (Mechanical). Unit codes updated.

Qualification Description

This qualification applies to individuals employed in aviation maintenance management fields in both the Civil Aviation Safety Authority (CASA) and Australian Defence Force (ADF) regulatory environments in jobs such as mechanical maintenance team leaders, maintenance planners, spares assessors, repairable item managers and technical authors. It must be emphasised that many of the maintenance management positions applicable to the qualification have additional experience requirements specified in airworthiness regulations and only a limited range of employment opportunities may be available to those who do not have extensive prior aviation maintenance experience. For this reason the qualification has entry requirements.

The qualification consists of:

- eleven (11) core units that provide competencies applicable to aviation maintenance managers
- one (1) or two (2) elective units chosen according to employment need.

Credit is provided towards the MEA60218 Advanced Diploma of Aviation Maintenance Management (Mechanical).

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

Entry Requirements

Individuals seeking this qualification must meet at least one of the following entry criteria:

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

Packaging Rules

To be awarded the MEA50418 Diploma of Aviation Maintenance Management (Mechanical), competency must be demonstrated in a total of **twelve (12)** or **thirteen (13)** units of competency.

All units must be chosen as specified under the conditions set out below:

- **eleven (11)** core Diploma level common, engineering and imported units
- **one (1)** or **(2)** elective Diploma level common units from Group A.

Core units of competency

- Complete the following **five (5)** common Diploma units, **five (5)** paraprofessional engineering units and **one (1)** imported sustainability unit listed below.

Unit code	Unit title	Prerequisites
MEA116	Apply work health and safety procedures at supervisor level in aviation maintenance	
MEA135	Use computers in aviation maintenance-related integrated logistic support activities	
MEA142	Manage self in the aviation maintenance environment	
MEA153	Communicate aviation technical and maintenance management knowledge	
MEA159	Manage aircraft and aeronautical product configuration	
MEA705	Apply basic scientific principles and techniques in aeronautical engineering situations	MEM23004A
MEA707	Select and test aeronautical engineering materials	
MEM23004A	Apply technical mathematics	
MEM30007A	Select common engineering materials	
MEM30012A	Apply mathematical techniques in a manufacturing engineering or related environment	
MSMENV472	Implement and monitor environmentally sustainable work practices	

Elective units of competency

Group A

- Plus **one (1)** of the following elective common units selected in accordance with the guidance in column four. If MEA164 is required **two (2)** units must be taken.

Unit code	Unit title	Prerequisites	Unit selection guidance
MEA140	Supervise aviation maintenance teams and perform maintenance quality inspections		Elective – for supervisors within the ADF regulatory system
MEA161	Assess aviation maintenance spares and manage repairable items	MEA135	Elective – for spares assessors and repairable item managers
MEA162	Write aviation technical publications		Elective – for aviation technical authors
MEA164	Perform airworthiness management and maintenance program tasks	MEA162	Applicable to CAMO employment
MEA731	Perform aircraft weight control activities		

Qualification Mapping Information

Release 1. Supersedes and equivalent to MEA50415 Diploma of Aviation Maintenance Management (Mechanical).

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?docId=ce216c9c-04d5-4b3b-9bcf-4e81d0950371&n=Aeroskills%20Training%20Package>