



Australian Government

MEA60115 Advanced Diploma of Aviation Maintenance Management (Avionics)

Release 1

MEA60115 Advanced Diploma of Aviation Maintenance Management (Avionics)

Modification History

Release 1 - New qualification

Qualification Description

This qualification applies to individuals employed in managerial positions in both the Civil Aviation Safety Authority (CASA) and Australian Defence Force (ADF) regulatory environments in the fields of avionic maintenance management and integrated logistic support (ILS). It should also be noted that most of the maintenance management positions applicable to this qualification have airworthiness regulatory requirements regarding aviation maintenance experience. There is therefore no direct entry pathway to the qualification.

The qualification consists of:

- twenty-five (25) common units and two (2) imported units, seventeen (17) of which are elective, that provide general competencies applicable to aviation maintenance managers
- five (5) paraprofessional avionic engineering units.

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 avionic maintenance experience
- Maintenance Engineer Licence (Avionics) issued by CASA
- Certificate IV in Aeroskills (Avionics)
- Diploma of Aviation Maintenance Management (Avionics).

Packaging Rules

To be awarded the MEA60115 Advanced Diploma of Aviation Maintenance Management (Avionics), competency must be demonstrated in a total of **twenty (20)** units of competency, as described below.

If a Diploma of Aviation Maintenance Management (Avionics) has been attained, **ten (10)** of the required units will be already held and the number of additional units required is **ten (10)**. In all other cases the number of units required is **twenty (20)**.

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

- **sixteen (16)** core units consisting of engineering, common and imported units
- **four (4)** elective units chosen from the common and imported units in Group A.

Core units of competency

- The **five (5)** paraprofessional engineering units listed below are mandatory for those who do not have a Diploma of Aviation Maintenance Management (Avionics).

Unit code	Unit title	Prerequisites
MEA706	Apply basic scientific principles and techniques in avionic engineering situations	MEM23004A
MEA708	Select and test avionic engineering materials	
MEM23004A	Apply technical mathematics	
MEM30007A	Select common engineering materials	
MEM30012A	Apply mathematical techniques in a manufacturing engineering or related environment	

- Complete the **eleven (11)** Advanced Diploma/Diploma common and imported units listed below (those with a Diploma of Aviation Maintenance Management (Avionics) will already have MEA121, MEA133, MEA135 and MEA142).

Unit code	Unit title	Prerequisites
MEA120	Manage an aviation maintenance quality system	
MEA121	Manage aircraft/aeronautical product configuration	
MEA123	Manage aviation maintenance work environment policy and practices	

Unit code	Unit title	Prerequisites
MEA124	Coordinate change programs in the aviation maintenance environment	
MEA125	Develop aviation maintenance personnel	
MEA133	Communicate aviation technical and maintenance knowledge	
MEA134	Establish, maintain and evaluate the organisation's work health and safety system	
MEA135	Use computers in aviation maintenance-related integrated logistic support activities	
MEA141	Manage risk in aviation maintenance	
MEA142	Manage self in the aviation maintenance environment	
MSAENV672B	Develop workplace policy and procedures for environmental sustainability	

Elective units of competency

Group A

- Plus **four (4)** of the elective Advanced Diploma/Diploma common and imported units listed below (those with a Diploma of Aviation Maintenance Management (Avionics) will already have one (1) of MEA136, MEA137 and MEA140). Units should be selected using the guidance in column 4.

Unit code	Unit title	Prerequisites	Unit selection guidance
MEA115	Plan and implement aeronautical product maintenance activities		
MEA122	Manage aircraft/equipment system performance testing	MEA126	
MEA126	Manage aircraft maintenance activities		
MEA127	Provide technical advice in the maintenance and management	MEA706,	Applicable to the CASA regulatory

Unit code	Unit title	Prerequisites	Unit selection guidance
	of aircraft and aeronautical product	MEA708	environment
MEA128	Provide engineering advice in the modification, maintenance and management of aircraft systems	MEA706, MEA708	Applicable to the ADF regulatory environment
MEA129	Investigate technical aspects of aviation occurrences		Applicable to the ADF regulatory environment
MEA130	Manage deployed/detached aviation maintenance activities		Applicable to the ADF regulatory environment
MEA131	Manage the custody, transfer and disposal of aircraft, aeronautical product and support equipment		
MEA132	Manage budgetary resources in the aviation maintenance environment		Either MEA146 or PSPMNGT610A may be taken instead of this unit
MEA136	Assess aviation maintenance spares and manage repairable items	MEA135	
MEA137	Write aviation technical publications	MEA135	
MEA138	Perform aviation technical publication management activities	MEA137	
MEA139	Perform aviation maintenance-related integrated logistic support activities		
MEA140	Supervise aviation maintenance teams and perform maintenance quality inspections		For supervisors within the ADF regulatory system

Unit code	Unit title	Prerequisites	Unit selection guidance
MEA143	Develop and manage maintenance error management programs		Applicable to the CASA regulatory environment
MEA146	Prepare and manage aviation maintenance organisation budgets and financial plans		Alternative to MEA132 and to PSPMNGT610A
MEA147	Perform airworthiness management and maintenance program tasks	MEA137	Applicable to CAMO employment
PSPMNGT610A	Manage public sector financial resources		Alternative to MEA132 and to MEA146

Qualification Mapping Information

Supersedes and is equivalent to MEA60111 Advanced Diploma of Aviation Maintenance Management (Avionics)

Links

MSA Training Package Implementation Guides - <http://mskills.org.au/training-packages/info/>