



Australian Government

MEA41115 Certificate IV in Aircraft Life Support and Furnishing

Release 1

MEA41115 Certificate IV in Aircraft Life Support and Furnishing

Modification History

Release 1 - New qualification

Qualification Description

This qualification applies to members of the Australian Defence Force (ADF) and to employees of Civil Aviation Maintenance Organisations (AMOs) who work at supervisor or team leader levels on the maintenance of aircraft and personal life support equipment and on the fabrication and maintenance of aircraft furnishings.

The qualification consists of:

- mandatory common units that apply to all Aeroskills qualifications at Certificate III and IV levels and elective common units that relate to the regulatory system within which individuals are employed
- elective technical stream units and imported units.

The qualification provides a number of credits towards other Aeroskills qualifications at Certificate III and IV levels and a limited number of credits towards a Diploma or Advanced Diploma of Aviation Maintenance Management.

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

Entry Requirements

Not applicable

Packaging Rules

To be awarded the MEA41115 Certificate IV in Aircraft Life Support and Furnishing, competency must be demonstrated in **twenty-six (26)** units of competency, as follows:

- **ten (10)** core common and imported units
- **one (1)** elective unit from the common units listed in Group A
- **fifteen (15)** elective units from the technical stream and imported units listed in Group B.

Core units of competency

Unit code	Unit title	Prerequisites
MEA101	Interpret work health and safety practices in aviation maintenance	
MEA103	Plan and organise aviation maintenance work activities	MEA101, MEA105 MEA107, MEA108
MEA105	Apply quality standards applicable to aviation maintenance processes	MEA101, MEA107
MEA107	Interpret and use aviation maintenance industry manuals and specifications	
MEA108	Complete aviation maintenance industry documentation	MEA105
MEA109	Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance	MEA105, MEA108
MEA115	Plan and implement aeronautical product maintenance activities	
MEA116	Apply work health and safety procedures at supervisor level	
MEA118	Conduct self in the aviation maintenance environment	
MSAENV472B	Implement and monitor environmentally sustainable work practices	

Elective units of competency

Group A

- Complete at least **one (1)** of the following two units chosen in accordance with the unit selection guidelines in column 4.

Unit code	Unit title	Prerequisite	Unit selection guidelines
MEA114	Certify aeronautical product maintenance	All Cert IV units applicable to the tasks	Applicable to those working under CASA Airworthiness Regulations
MEA140	Supervise aviation maintenance teams and perform maintenance quality inspections	Appointment as an MQI or Independent Inspector	Applicable to those working under ADF Airworthiness Regulations

Group B

- Complete **fifteen (15)** of the technical stream and imported units listed below; selected in accordance with the prerequisites in column 3 and the unit selection criteria in column 4.

Unit code	Unit title	Prerequisites	Unit selection guidelines
MEA240	Use electrical test equipment to perform basic electrical tests	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109	Elective
MEA302	Remove and install aircraft hydro-mechanical and landing gear system components	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109	
MEA303	Remove and install aircraft pneumatic system components	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109	
MEA304	Remove and install non-pressurised aircraft structural and non-structural components	MEA302	Elective – do not take with MEA317
MEA317	Remove and install pressurised	MEA302, MEA303	Elective – do not

Unit code	Unit title	Prerequisites	Unit selection guidelines
	aircraft structural and non-structural components		take with MEA304
MEA411	Remove surface coatings from aircraft or aircraft components	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109	Elective
MEA412	Pre-treat aluminium alloy surfaces	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109	Elective
MEA414	Remove light corrosion from aircraft	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109	Elective – do not take with MEA419
MEA416	Apply aircraft identification markings, graphics and decals	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109	Elective
MEA419	Repair/modify aircraft cabin/cockpit non-primary structure components	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109	Elective – do not take with MEA414
MEA501	Maintain and fit anti-G suits	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109 MSFSF2002	Elective
MEA502	Maintain and fit helmets	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109 MEA118, MEA240	Elective
MEA503	Maintain and fit immersion suits	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109 MEA118	Elective

Unit code	Unit title	Prerequisites	Unit selection guidelines
		LMTTF2008A	
MEA504	Maintain and fit oxygen masks	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109 MEA118, MEA240	Elective
MEA505	Maintain and pack parachutes	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109 MEA118, MEA511 MSFSF2002	Elective
MEA507	Maintain, pack and fit survival inflatable buoyancy vests	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109 MEA118	Elective
MEA508	Maintain, install and remove restraint systems	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109 MEA118, MEA511 MSFSF2002	Elective
MEA509	Manufacture, repair and alter aircraft related fabric components	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109 MEA118, MEA511 MSFSF2002	Elective
MEA510	Maintain seat and pod electrical and electronic systems	MEA240	Elective
MEA511	Operate and maintain sewing machines and overlockers		Elective
MEA513	Maintain and pack survival inflatable life rafts	MEA101, MEA103	Elective

Unit code	Unit title	Prerequisites	Unit selection guidelines
		MEA105, MEA107 MEA108, MEA109 MEA118	
MEA514	Maintain and pack escape slides	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109 MEA118	Elective
AURVTT2004	Trim vehicle components		Elective – do not take with MSFUP3012
AURVTT2005	Select and apply trim and fabric materials		Elective
AURVTT2006	Select and apply trim and fabric adhesives		Elective - do not take with LMTTF2008A
DEFEO101D	Work safely with explosive ordnance		Elective
DEFEO501D	Conduct explosive ordnance inspection		Elective
LMTTF2008A	Use adhesives		Elective – do not take with AURVTT2006
MEM12001B	Use comparison and basic measuring devices		Mandatory
MSFSF2001	Cut single layer fabrics		Elective
MSFSF2002	Machine sew materials		Elective
MSFUP3012	Apply marine sewing and installation techniques		Elective – do not take with AURVTT2004

Qualification Mapping Information

Supersedes and is equivalent to MEA41111 Certificate IV in Aircraft Life Support and Furnishing

Links

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