



Australian Government

MEA41119 Certificate IV in Aeronautical Life Support Equipment

Release: 1

MEA41119 Certificate IV in Aeronautical Life Support Equipment

Modification History

Release 1. Supersedes and equivalent to MEA41118 Certificate IV in Aeronautical Life Support Equipment.

Qualification Description

This qualification applies to members of the Australian Defence Force (ADF) and to employees of civil Aviation Maintenance Organisations (AMOs) who work on the maintenance of aircraft and personal life support equipment and on the fabrication and maintenance of aircraft furnishings.

The unit typically applies to those who work independently or as part of a team under direct and/or indirect supervision, following set procedures and methods, requiring some discretion and judgement. They are responsible for the quality of their own outputs, and require a high level of analysis and risk assessment within familiar and unfamiliar contexts. High level communications skills are required when fitting individuals with items of personal life support equipment and when determining item fabrication requirements.

The qualification applies to workplaces that operate under the airworthiness regulatory systems of the Australian Defence Force (ADF) and the Civil Aviation Safety Authority (CASA). Regulatory and licensing requirements associated with MEA units of competency required for this qualification must be met.

Entry Requirements

Not applicable.

Packaging Rules

Total number of units = 23

9 core units, plus

14 elective unit of the technical stream and imported units listed, of which:

- all elective units must be selected according to the listed prerequisite unit requirements and unit selection criteria
- Up to two (2) elective unit may be selected from a different qualification in this Training Package or another endorsed Training Package, provided that it supports the capability for this qualification and does not duplicate the outcome of another unit chosen for the qualification

Core units

Unit code	Unit title	Prerequisites
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Unit code	Unit title	Prerequisites
MEA107	Interpret and use aviation maintenance industry manuals and specifications	
MEA154	Apply work health and safety practices in aviation maintenance	
MEA155	Plan and organise aviation maintenance work activities	MEA154
MEA156	Apply quality standards during aviation maintenance activities	MEA107, MEA154
MEA157	Complete aviation maintenance industry documentation	
MEA158	Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance	
MEA301	Perform aircraft flight servicing	MEA154, MEA155, MEA156, MEA107, MEA157, MEA158
AVIF3016	Marshal aircraft	
MSMENV272	Participate in environmentally sustainable work practices	

Elective units

Unit code	Unit title	Prerequisites	Unit selection guidelines
MEA118	Conduct self in the aviation maintenance environment		Elective
MEA201	Remove and install miscellaneous aircraft electrical hardware/components	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158	Elective
MEA295	Use electrical test equipment to perform basic electrical tests on aircraft and components	MEA154, MEA158	Elective
MEA398	Remove and install aircraft	MEA154	Elective

Unit code	Unit title	Prerequisites	Unit selection guidelines
	hydro-mechanical and landing gear system components		
MEA303	Remove and install aircraft pneumatic system components	MEA154, MEA155, MEA156, MEA107, MEA157, MEA158	Elective
MEA304	Remove and install non-pressurised aircraft structural components	MEA398	Elective - do not take with MEA317
MEA317	Remove and install pressurised aircraft structural and non-structural components	MEA398, MEA303	Elective – do not take with MEA304
MEA411	Remove surface coatings from aircraft or aircraft components	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158	Elective
MEA412	Pre-treat aluminium alloy surfaces	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158	Elective
MEA414	Remove light corrosion from aircraft	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158	Elective – do not take with MEA436
MEA416	Apply aircraft identification markings, graphics and decals	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158	Elective
MEA436	Inspect, repair and modify non-primary structure components in aircraft cabins and cockpits	MEA154	Elective – do not take with MEA414
MEA501	Maintain and fit anti-G suits	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158 MSFSF2002	Elective

Unit code	Unit title	Prerequisites	Unit selection guidelines
MEA502	Maintain and fit helmets	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158 MEA118, MEA295	Elective
MEA503	Maintain and fit immersion suits	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158 MEA118 LMTTF2008A	Elective
MEA504	Maintain and fit oxygen masks	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158 MEA118, MEA295	Elective
MEA505	Maintain and pack parachutes	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158 MEA118, MEA511 MSFSF2002	Elective
MEA507	Maintain, pack and fit survival inflatable buoyancy vests	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158 MEA118	Elective
MEA508	Maintain, install and remove restraint systems	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158 MEA118, MEA511 MSFSF2002	Elective
MEA509	Manufacture, repair and alter aircraft related fabric components	MEA154, MEA155 MEA156, MEA107	Elective

Unit code	Unit title	Prerequisites	Unit selection guidelines
		MEA157, MEA158 MEA118, MEA511 MSFSF2002	
MEA510	Maintain seat and pod electrical and electronic systems	MEA295	Elective
MEA511	Operate and maintain sewing machines and overlockers		Elective
MEA513	Maintain and pack survival inflatable life rafts	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158 MEA118	Elective
MEA514	Maintain and pack escape slides	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158 MEA118	Elective
AURVTT004	Trim vehicle components		Elective – do not take with MSFUP3012
AURVTT005	Select trim and fabric materials		Elective
AURVTT006	Apply trimming adhesives		Elective - do not take with MSTTF2008
DEFEXO001	Work safely with explosive ordnance		Elective
DEFEXO005	Package explosives		Elective
DEFEXO006	Unpackage explosives		Elective
DEFEXO008	Conduct explosives inspection		Elective
MSTTF2008	Use adhesives		Elective – do not take with

Unit code	Unit title	Prerequisites	Unit selection guidelines
			AURVTT2006
MSFSF2001	Cut single layer fabrics		Elective
MSFSF2002	Machine sew materials		Elective
MSFUP3012	Apply marine sewing and installation techniques		Elective – do not take with AURVTT004

Qualification Mapping Information

Release 1. Supersedes and equivalent to MEA41118 Certificate IV in Aeronautical Life Support Equipment.

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=ce216c9c-04d5-4b3b-9bcf-4e81d0950371>