



**Australian Government**

# **MEA41122 Certificate IV in Aeronautical Life Support Equipment**

**Release 1**

# MEA41122 Certificate IV in Aeronautical Life Support Equipment

## Modification History

Release 1. Supersedes and is equivalent to MEA41119 Certificate IV in Aeronautical Life Support Equipment. Unit codes updated.

## 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 qualification 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 Defence Aviation Safety Authority (DASA) 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

Nil.

## Packaging Rules

Competency must be demonstrated in 23 units, consisting of:

- 9 core units
- 14 elective units, chosen according to the unit selection guidelines.

Up to 2 elective units may be selected from other qualifications in this or any other endorsed Training Package, provided that each unit supports vocational capabilities appropriate to this qualification and does not duplicate the outcome of another unit chosen for the qualification.

### CORE UNITS

Unit code	Unit title	Prerequisites
AVIF0044	Marshal aircraft	
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	MEA107, MEA154, MEA155, MEA156, MEA157, MEA158
MSMENV272	Participate in environmentally sustainable work practices	

### ELECTIVE UNITS

Choose 14 units while observing the unit selection guidelines in column 4.

Unit code	Unit title	Prerequisites	Unit Selection Guidelines
AURVTT00 4	Trim vehicle components		Do not take with MSFUP3012
AURVTT00 5	Select trim and fabric materials		
AURVTT00 6	Apply trimming adhesives		Do not take with MSTTF2008
DEFEXO001	Work safely with explosive ordnance		
DEFEXO005	Package explosives		
DEFEXO006	Unpackage explosives		

DEFEXO008	Conduct explosives inspection		
MEA118	Conduct self in the aviation maintenance environment		
MEA201	Remove and install miscellaneous aircraft electrical hardware/components	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158	
MEA295	Use electrical test equipment to perform basic electrical tests on aircraft and components	MEA154, MEA158	
MEA303	Remove and install aircraft pneumatic system components	MEA154, MEA155, MEA156, MEA107, MEA157, MEA158	
MEA304	Remove and install non-pressurised aircraft structural and non-structural components	MEA398	Do not take with MEA317
MEA317	Remove and install pressurised aircraft structural and non-structural components	MEA398, MEA303	Do not take with MEA304
MEA398	Remove and install aircraft hydro-mechanical and landing gear system components	MEA154	
MEA436	Inspect, repair and modify non-primary structure components in aircraft cabins and cockpits	MEA154	Do not take with MEASTR0009
MEALSU0001	Maintain and fit anti-G suits	MEA107, MEA118, MEA154, MEA155, MEA156, MEA157, MEA158, MEALSU0010, MSFSF2002	
MEALSU0002	Maintain and fit helmets	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158 MEA118, MEA295	

MEALSU00 03	Maintain and fit immersion suits	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158 MEA118, MSTTF2008	
MEALSU00 04	Maintain and fit oxygen masks	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158 MEA118, MEA295	
MEALSU00 05	Maintain and pack parachutes	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158 MEA118, MEALSU0010 MSFSF2002	
MEALSU00 06	Maintain, pack and fit survival inflatable buoyancy vests	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158 MEA118	
MEALSU00 07	Maintain, install and remove restraint systems	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158 MEA118, MEALSU0010, MSFSF2002	
MEALSU00 08	Manufacture, repair and alter aircraft related fabric components	MEA154, MEA155, MEA156, MEA107, MEA157, MEA158, MEA118, MEALSU0010, MSFSF2002	
MEALSU00 09	Maintain seat and pod electrical and electronic systems	MEA295	

MEALSU00 10	Operate and maintain sewing machines and overlockers		
MEALSU00 12	Maintain and pack survival inflatable life rafts	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158 MEA118	
MEALSU00 13	Maintain and pack escape slides	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158 MEA118	
MEASTR00 06	Remove surface coatings from aircraft or aircraft components	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158	
MEASTR00 07	Pre-treat aluminium alloy surfaces	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158	
MEASTR00 09	Remove light corrosion from aircraft	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158	Do not take with MEA436
MEASTR00 11	Apply aircraft identification markings, graphics and decals	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158	
MSFSF2002	Machine sew materials		
MSFSF2015	Cut single layer fabrics		
MSFUP3012	Apply marine sewing and installation techniques		Do not take with AURVTT004
MSTTF2008	Use adhesives		Do not take with AURVTT006

## Qualification Mapping Information

Release 1. Supersedes and is equivalent to MEA41119 Certificate IV in Aeronautical Life Support Equipment. (Release 1).

## Links

Companion Volume implementation guides are found in VETNet - -

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