



Australian Government

MEA41322 Certificate IV in Aeroskills (Structures)

Release 1

MEA41322 Certificate IV in Aeroskills (Structures)

Modification History

Release 1. Supersedes and is equivalent to MEA41318 Certificate IV in Aeroskills (Structure). Unit codes updated.

Qualification Description

This qualification applies to employees of Civil Aviation Maintenance Organisations (AMOs) or to members of the Australian Defence Force (ADF) who are engaged in the repair and modification of aircraft structures. The qualification is suitable for delivery as an apprenticeship and may apply to work performed in hangars on the structure of complete aircraft and to work performed in workshops on structural components.

The training pathways provide for work on both metal and composite structures. In some cases, primarily in the General Aviation sector, individuals may be also required to work on aircraft with wooden structures and/or fabric coverings. The applicable competencies are covered in the units MEA357 Inspect, test and repair aircraft fabric surfaces, MEA358 Re-cover aircraft fabric surfaces and MEA359 Inspect and repair aircraft wooden structures.

The qualification consists of:

- common and imported units that apply to all Aeroskills specialist streams at AQF Certificate III and IV levels
- mandatory structures technical stream units
- elective mechanical technical stream units that provide a degree of multi-skilling where needed to meet workplace requirements
- elective structures technical stream and imported units required to meet workplace needs.

This 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). Any regulatory/licensing requirements associated with any MEA units of competency must be met.

Entry Requirements

Nil

Packaging Rules

To be awarded the MEA41322 Certificate IV in Aeroskills (Structures), competency must be demonstrated in 19 units, consisting of:

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

CORE UNITS

Unit code	Unit title	Prerequisites
MEA107	Interpret and use aviation maintenance industry manuals and specifications	
MEA118	Conduct self in the aviation maintenance environment	
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	
MEAMEC0024	Fabricate and/or repair aircraft mechanical components or parts	MEA154, MEA155, MEA156, MEA107, MEA157, MEA158
MEASTR0001	Inspect aircraft structures	MEA154, MEA155, MEA156, MEA107, MEA157, MEA158
MEASTR0014	Fabricate basic structural components for aircraft	MEA154, MEA155, MEA156, MEA107, MEA157, MEA158
MEASTR0015	Fabricate advanced structural components for aircraft	MEA154, MEA155, MEA156, MEA107, MEA157, MEA158
MEASTR0016	Repair and modify aircraft metal structure	MEASTR0001
MEASTR0017	Aircraft structure major disassembly and reassembly	MEASTR0001
MSMENV272	Participate in environmentally sustainable work practices	

ELECTIVE UNITS

Choose 5 units while observing the unit selection guidelines in column 4.

Unit code	Unit title	Prerequisites	Unit selection guidelines
AVIF0044	Marshal aircraft		
MEA303	Remove and install aircraft pneumatic system components	MEA107, MEA154, MEA155, MEA156, MEA157, MEA158	
MEA304	Remove and install non-pressurised aircraft structural and non-structural components	MEA398	
MEA305	Remove and install aircraft fixed wing flight control system components	MEA398	
MEA308	Remove and install rotary wing rotor and flight control system components	MEA398	
MEA317	Remove and install pressurised aircraft structural and non-structural components	MEA398 MEA303	
MEA398	Remove and install aircraft hydro-mechanical and landing gear system components	MEA154	
MEAMEC0054	Modify and repair aircraft composite structure using cold bonding		Take this unit or MEASTR0002
MEASTR0002	Modify and repair aircraft composite materials structures and components	MEASTR0001	Alternative to MEAMEC0054
MEASTR0005	Maintain aircraft structure and components	MEASTR0001	
MEASTR0006	Remove surface coatings from aircraft or aircraft components	MEA107, MEA154, MEA155, MEA156, MEA157, MEA158	
MEASTR0009	Perform bolted composite skin repairs	MEASTR0001	
MEM06003	Carry out heat treatment	MEM11011,	

		MEM13015, MEM16006	
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Qualification Mapping Information

Release 1. Supersedes and is equivalent to MEA41318 Certificate IV in Aeroskills (Structures).

Links

Companion Volume implementation guides are found in VETNet -

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