



Australian Government

MEA20415 Certificate II in Aeroskills

Release 1

MEA20415 Certificate II in Aeroskills

Modification History

Release 1 - New qualification

Qualification Description

This qualification applies to employees in aviation maintenance workshops who are required to perform repair and overhaul tasks on a limited range of aircraft electrical, hydraulic, pneumatic, electro-hydraulic and electro-pneumatic components, or who perform simple repairs on a limited range of structural components.

Units of competency that comprise this qualification are a mix of common units that apply to all technical employment streams covered by the MEA Aeroskills Training Package (core units) and technical stream units that are specific to a technical employment stream (elective units).

The qualification provides significant credits towards higher level Aeroskills Certificates.

This qualification applies to workplaces that operate under the airworthiness regulatory systems of the Australian Defence Force (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 MEA20415 Certificate II in Aeroskills, competency must be demonstrated in one of:

- Avionic: **Twelve (12)** units consisting of **eight (8)** core units plus **three (3)** units from elective Group A and **one (1)** unit from either Group B or Group C
- Mechanical: **Twelve (12)** units consisting of **eight (8)** core units plus **three (3)** units from elective Group B and **one (1)** unit from either of Groups A and C
- Structures: **Eleven (11)** units consisting of **eight (8)** core units plus **two (2)** units from elective Group C and **one (1)** unit from either of Groups A and 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
MEA117	Apply self in the aviation maintenance environment	
MSAENV272B	Participate in environmentally sustainable work practices	

Elective units of competency

Group A

Unit code	Unit title	Prerequisites
MEA238	Perform routine removal and installation of miscellaneous aircraft electrical hardware/components	MEA101, MEA103

Unit code	Unit title	Prerequisites
		MEA105, MEA107 MEA108, MEA109
MEA239	Fabricate aircraft electrical looms and harnesses	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109
MEA240	Use electrical test equipment to perform basic electrical tests	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109

Group B

Unit code	Unit title	Prerequisites
MEA329	Dismantle, inspect, maintain and assemble aircraft basic hydraulic and pneumatic components or parts	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109
MEA330	Dismantle, inspect, maintain and assemble aircraft non-primary structural removable components or parts and internal fittings	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109
MEA331	Dismantle, inspect, maintain and assemble aircraft gas turbine engine components or parts	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109
MEA332	Dismantle, inspect, maintain and assemble aircraft mechanical components or parts	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109
MEA333	Dismantle, inspect, maintain and assemble aircraft piston engine components or parts	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109

Group C

Unit code	Unit title	Prerequisites
MEA406	Repair/modify aircraft non-primary structural sheet metal components	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109
MEA407	Repair/modify aircraft non-primary structural non-metallic components	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109

Qualification Mapping Information

Supersedes and is equivalent to MEA20411 Certificate II in Aeroskills

Links

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