



Australian Government

MEA20418 Certificate II in Aeroskills

Release 2

MEA20418 Certificate II in Aeroskills

Modification History

Release 2. Elective unit codes and titles updated. Supersedes and is equivalent to MEA20418 Certificate II in Aeroskills (Release 1).

Release 1. Supersedes and equivalent to MEA20415 Certificate II in Aeroskills. Unit codes updated.

Qualification Description

This qualification applies to employees in aviation maintenance workshops who 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.

The units of competency in 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 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 MEA20418 Certificate II in Aeroskills, competency must be demonstrated in one of:

- Avionic: 12 units, consisting of 8 core units plus 3 units from Group A and 1 unit from either Group B or Group C
- Mechanical: 12 units, consisting of 8 core units plus 3 units from elective Group B and 1 unit from either Group A or Group C
- Structures: 11 units, consisting of 8 core units plus 2 units from elective Group C and 1 unit from either Group A or Group B.

Core units

| Unit code | Unit title | Prerequisites |
|-----------|------------|---------------|
|-----------|------------|---------------|

| | | |
|-----------|----------------------------------------------------------------------------------------------|----------------|
| MEA107 | Interpret and use aviation maintenance industry manuals and specifications | |
| MEA117 | Apply 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 | |
| MSMENV272 | Participate in environmentally sustainable work practices | |

Elective units

Group A

| Unit code | Unit title | Prerequisites |
|------------|------------------------------------------------------------------------------------------------------|------------------------------------------------|
| MEAAVI0033 | Perform routine removal and installation of miscellaneous aircraft electrical hardware or components | MEA154, MEA155, MEA156, MEA107, MEA157, MEA158 |
| MEAAVI0034 | Fabricate aircraft electrical looms and harnesses | MEA154, MEA155, MEA156, MEA107, MEA157, MEA158 |
| MEA295 | Use electrical test equipment to perform basic electrical tests on aircraft and components | MEA154, MEA155, MEA156, MEA107, MEA157, MEA158 |

Group B

| Unit code | Unit title | Prerequisites |
|------------|----------------------------------------------------------------------------------------------|------------------------------------------------|
| MEAMEC0026 | Maintain aircraft basic hydraulic and pneumatic components or component parts | MEA107, MEA154, MEA155, MEA156, MEA157, MEA158 |
| MEAMEC0027 | Maintain aircraft non-primary structural removable components or parts and internal fittings | MEA154, MEA155, MEA156, MEA107, MEA157, MEA158 |
| MEAMEC0028 | Maintain aircraft gas turbine engine components or component parts | MEA154, MEA155, MEA156, MEA107, MEA157, MEA158 |
| MEAMEC0029 | Maintain aircraft mechanical components or component parts | MEA154, MEA155, MEA156, MEA107, MEA157, MEA158 |
| MEAMEC0030 | Maintain aircraft piston engine components or component parts | MEA154, MEA155, MEA156, MEA107, MEA157, MEA158 |

Group C

| Unit code | Unit title | Prerequisites |
|------------|---------------------------------------------------------------------------|------------------------------------------------|
| MEASTR0003 | Modify and repair aircraft non-primary structural sheet metal components | MEA154, MEA155, MEA156, MEA107, MEA157, MEA158 |
| MEASTR0004 | Modify and repair aircraft non-primary structural non-metallic components | MEA154, MEA155, MEA156, MEA107, MEA157, MEA158 |

Qualification Mapping Information

Release 2. Supersedes and is equivalent to MEA20418 Certificate II in Aeroskills (Release 1).

Links

Companion Volume implementation guides are found in VETNet -

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