



Australian Government

MEA40918 Certificate IV in Aircraft Surface Finishing

Release: 1

MEA40918 Certificate IV in Aircraft Surface Finishing

Modification History

Release 1. Supersedes and equivalent to MEA40915 Certificate IV in Aircraft Surface Finishing. Unit codes updated.

Qualification Description

The qualification applies to employees of aircraft repair and overhaul organisations or members of the Australian Defence Force (ADF) engaged in either the supervision of aircraft surface finishing activities or working in an environment where a significant degree of multi-skilling is required in component removal and installation and/or the performance of a specified range of repair tasks.

The qualification consists of:

- common and imported units that apply to all Aeroskills specialist streams at Certificate III and IV levels
- mandatory surface finishing technical stream and imported units that also apply at Certificate III level
- elective units to be selected according to employment need from listed common units, mechanical and structures technical stream units and an imported unit.

The qualification also provides credits towards the MEA50418 Diploma of Aviation Maintenance Management (Mechanical) and the MEA60218 Advanced Diploma of Aviation Maintenance Management (Mechanical). A limited number of credits are also provided towards the MEA50218 Diploma of Aeroskills (Mechanical).

This qualification applies to workplaces that operate under the airworthiness regulatory systems of the 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 MEA40918 Certificate IV in Aircraft Surface Finishing, competency must be demonstrated in **twenty-one (21)** units of competency, as follows:

seventeen (17) core units consisting of common, technical stream and imported units

four (4) elective units chosen from the technical stream and imported units in Group A.

Core units of competency

Unit code	Unit title	Prerequisites
AURVTP2003	Prepare spray painting materials and equipment	
AURVTP012	Apply air dry and polyurethane refinishing materials	
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	MEA154, MEA107
MEA157	Complete aviation maintenance industry documentation	
MEA158	Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance	
MEA411	Remove surface coatings from aircraft or aircraft components	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158
MEA412	Pre-treat aluminium alloy surfaces	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158
MEA413	Seal aircraft and aircraft component structural seams	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158
MEA414	Remove light corrosion from aircraft	MEA154, MEA155

Unit code	Unit title	Prerequisites
		MEA156, MEA107 MEA157, MEA158
MEA415	Paint aircraft surfaces	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158 AURVTP2003 AURVTP012
MEA416	Apply aircraft identification markings, graphics and decals	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158
MEA417	Apply specialty coatings to aircraft	MEA154, MEA155 MEA156, MEA107 MEA157, MEA158
MSMENV472	Implement and monitor environmentally sustainable work practices	

Elective units of competency

Group A

Complete at least **four (4)** of the following units selected in accordance with the unit selection guidelines in column 4.

Unit code	Unit title	Prerequisites	Unit selection guidelines
MEA113	Supervise civil aircraft maintenance activities and manage human resources in the workplace	Completion of all applicable Certificate IV units	
MEA116	Apply work health and safety procedures at supervisor level in aviation maintenance		Must be taken if MEA113 or MEA140 selected
MEA140	Supervise aviation maintenance teams and perform maintenance quality inspections	Appointment as an Independent Inspector or Maintenance Quality	(this unit applicable to the ADF regulatory

Unit code	Unit title	Prerequisites	Unit selection guidelines
		Inspector	environment)
MEA295	Use electrical test equipment to perform basic electrical tests on aircraft and components		
MEA305	Remove and install aircraft fixed wing flight control system components	MEA398	
MEA398	Remove and install aircraft hydro-mechanical and landing gear system components	MEA154	Take with MEA305
MEA405	Repair/modify aircraft composite material structure/components	MEA401	

Qualification Mapping Information

Release 1. Supersedes and equivalent to MEA40915 Certificate IV in Aircraft Surface Finishing.

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?docId=ce216c9c-04d5-4b3b-9bcf-4e81d0950371&n=Aeroskills%20Training%20Package>