



Australian Government

MEA40915 Certificate IV in Aircraft Surface Finishing

Release 1

MEA40915 Certificate IV in Aircraft Surface Finishing

Modification History

Release 1 - New qualification

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 MEA50415 Diploma of Aviation Maintenance Management (Mechanical) and the MEA60215 Advanced Diploma of Aviation Maintenance Management (Mechanical). A limited number of credits are also provided towards the MEA50215 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 MEA40915 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
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
MEA118	Conduct self in the aviation maintenance environment	
MEA411	Remove surface coatings from aircraft or aircraft components	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109
MEA412	Pre-treat aluminium alloy surfaces	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109
MEA413	Seal aircraft and aircraft component structural seams	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109
MEA414	Remove light corrosion from aircraft	MEA101, MEA103 MEA105, MEA107

Unit code	Unit title	Prerequisites
		MEA108, MEA109
MEA415	Paint aircraft surfaces	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109 AURVTP2003 AURVTP3012
MEA416	Apply aircraft identification markings, graphics and decals	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109
MEA417	Apply specialty coatings to aircraft	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109
AURVTP2003	Prepare spray painting materials and equipment	
AURVTP3012	Apply air dry and polyurethane enamel refinishing materials	
MSAENV472B	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

Unit code	Unit title	Prerequisites	Unit selection guidelines
MEA140	Supervise maintenance teams and perform maintenance quality inspections	Appointment as an Independent Inspector or Maintenance Quality Inspector	(this unit applicable to the ADF regulatory environment)
MEA240	Use electrical test equipment to perform basic electrical tests		
MEA302	Remove and install aircraft hydro-mechanical and landing gear system components	MEA101, MEA103 MEA105, MEA107 MEA108, MEA109	Take with MEA305
MEA305	Remove and install aircraft fixed wing flight control system components	MEA302	
MEA405	Repair/modify aircraft composite material structure/components	MEA401	

Qualification Mapping Information

Supersedes and is equivalent to MEA40911 Certificate IV in Aircraft Surface Finishing

Links

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