



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **MEA30110 Certificate III in Aircraft Surface Finishing**

**Revision Number: 1**

## MEA30110 Certificate III in Aircraft Surface Finishing

### Modification History

Not applicable.

### Description

#### Qualification Notes

This qualification may apply to employees of aircraft maintenance organisations, or of specialist aircraft surface finishing organisations who are required to prepare the surfaces of aircraft and aircraft components for the application of surface finishes, apply paint, specialist finishes and decals or stencils. Also required is the application of aircraft registration markings, national markings and organizational logos.

The units of competency that comprise this qualification are a mix of:

- Common units that apply to all Aeroskills specialist streams at Certificate III and IV levels
- Structures technical stream units relating to aircraft surface finishing
- Imported automotive units relating to the application of paint finishes.

This qualification fully articulates with MEA40910 Certificate IV in Aircraft Surface Finishing and the Common Units provide a number of credits towards other Aeroskills qualifications at Certificate III and IV levels.

### Pathways Information

Not applicable.

### Licensing/Regulatory Information

Not applicable.

### Entry Requirements

Not applicable.

## Employability Skills Summary

<b>EMPLOYABILITY SKILLS QUALIFICATION SUMMARY</b>	
<b>Employability Skill</b>	<b>Industry/enterprise requirements for this qualification include:</b>
Communication	<ul style="list-style-type: none"> <li>• Understanding work and organisational instructions</li> <li>• Understanding input from specialist personnel and technical representatives</li> <li>• Negotiating with other team members or supervisors regarding timing and progress of work activities and access to sections of the aircraft, or to equipment</li> <li>• Understanding and interpreting regulations, procedures, instructions and maintenance publications</li> <li>• Completing maintenance documentation</li> <li>• Reading drawings relating to surface finishing schemes and maintenance activities</li> <li>• Using computers to obtain maintenance data and complete documentation</li> <li>• Networking with other team members regarding work planning and execution</li> </ul>
Teamwork	<ul style="list-style-type: none"> <li>• Performing tasks as an individual while being responsive to supervisors and allowing for relevant human factors</li> <li>• Working effectively with others who may be of different ages, gender, race, religion and political persuasion</li> <li>• Assisting other team members with tasks and providing advice on work processes</li> </ul>
Problem-solving	<ul style="list-style-type: none"> <li>• Identifying problems in a timely manner and developing practical solutions to problems not fully covered by maintenance data</li> <li>• Proposing solutions to problems as modifications or amendments to specified maintenance processes</li> <li>• Constantly reviewing problem solving skills and ability to effectively apply competencies to solve problems within the limits permitted by regulatory and organisational guidelines</li> <li>• Responding to emergencies or accidents in accordance with regulatory and organisational requirements</li> <li>• Using mathematical techniques to apply finishing schemes and to convert values between systems of measurement</li> </ul>
Initiative and enterprise	<ul style="list-style-type: none"> <li>• Adapting to new situations that arise as a consequence of regulatory changes, revised maintenance data, practices and procedures</li> <li>• Varying work practices and behaviour as a result of</li> </ul>

**EMPLOYABILITY SKILLS QUALIFICATION SUMMARY**

	<p>performance feedback from peers and supervisors</p> <ul style="list-style-type: none"> <li>• Evaluating ideas to ensure that technical and regulatory aspects have been fully covered before proposing action that may result in modifications or changes to work processes</li> <li>• Applying human factors to avoid maintenance errors and maintain quality standards</li> <li>• Adapting competencies to the performance of a wide range of maintenance tasks</li> <li>• Contributing to a process of continuous improvement and a willingness to support and participate in the effective introduction of new work practices</li> </ul>
Planning and organising	<ul style="list-style-type: none"> <li>• Clarifying task objectives and required outcomes through discussion with supervisors and other team members</li> <li>• Monitoring the time taken to complete tasks against team requirements or targets provided by supervisors</li> <li>• Collecting, analysing and organising information relating to assigned tasks and confirming the purpose and required work outcomes</li> <li>• Identifying the extent of impact on assigned work of changes in procedures, work instructions or regulatory requirements</li> </ul>
Self-management	<ul style="list-style-type: none"> <li>• Accepting responsibility for managing individual workload to meet target completion times or fit in with team milestones</li> <li>• Assessing personal knowledge and skills with the aid of the self-assessment work sheets in the Log of Industrial Experience and Achievement and preparing for competency assessments</li> <li>• Actively seeking opportunities to develop competencies and to apply them across a range of tasks and monitoring performance using indicators such as the extent of oversight exercised by supervisors</li> <li>• Identifying career paths and training opportunities that will assist in attaining career goals</li> </ul>
Learning	<ul style="list-style-type: none"> <li>• Taking advantage of learning opportunities that arise through training courses provided by the organisation or external providers and through mentoring and on-job training</li> <li>• Adapting competencies to accommodate new ideas and techniques</li> <li>• Using feedback from supervisors and peers to identify ways in which competence can be improved</li> <li>• Mentoring new or more junior personnel</li> <li>• Interpreting units of competency and applying them to attainment of identified career goals</li> </ul>
Technology	<ul style="list-style-type: none"> <li>• Operating PPE and surface finishing equipment and ground support equipment and troubleshooting equipment faults</li> </ul>

**EMPLOYABILITY SKILLS QUALIFICATION SUMMARY**

	<ul style="list-style-type: none"> <li>• Testing the performance and calibration of surface finishing equipment</li> <li>• Storing and caring for surface finishing equipment, PPE and support equipment</li> <li>• Amending various forms of maintenance data</li> <li>• Using computers and microfiche to obtain maintenance data and using computers to complete documentation</li> </ul>
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**Packaging Rules****Packaging Rules**

To be awarded Certificate III in Aircraft Surface Finishing, competency must be demonstrated in 17 Core units of competency. Units must be chosen as specified under the conditions set out below.

There are no elective units for this qualification.

**Take all eight of the common and imported core units listed below**

Unit Code	Unit Title	Prerequisite
MEA101B	Interpret occupational health and safety practices in aviation maintenance	Nil
MEA103B	Plan and organise aviation maintenance work activities	MEA101B, 105B, 107B, 108B
MEA105B	Apply quality standards applicable to aviation maintenance processes	MEA101B, 107B
MEA107B	Interpret and use aviation maintenance industry manuals and specifications	Nil
MEA108B	Complete aviation maintenance industry	MEA105B

Unit Code	Unit Title	Prerequisite
	documentation	
MEA109B	Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance	MEA105B, 108B
MEA118A	Conduct self in the aviation maintenance environment	Nil
MSAENV272B	Participate in environmentally sustainable work practices	Nil

**Plus the nine core technical stream and imported units listed below**

Unit Code	Unit Title	Prerequisite
MEA411A	Remove surface coatings from aircraft or aircraft components	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA412A	Pre-treat aluminium alloy surfaces	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA413A	Seal aircraft and aircraft component structural seams	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA414A	Remove light corrosion	MEA101B, 103B, 105B, 107B, 108B, 109B
AURV229749A	Prepare spray painting materials and equipment	Nil
AURV329603DA	Apply air dry and polyurethane enamel refinishing materials	Nil
MEA415A	Paint aircraft	MEA101B, 103B, 105B, 107B,

<b>Unit Code</b>	<b>Unit Title</b>	<b>Prerequisite</b>
	surfaces	108B, 109B
MEA416A	Apply aircraft identification markings, graphics and decals	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA417A	Apply specialty coatings to aircraft	MEA101B, 103B, 105B, 107B, 108B, 109B