



**Australian Government**

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

# **MEA20610 Certificate II in Aircraft Surface Finishing**

**Revision Number: 1**

## MEA20610 Certificate II in Aircraft Surface Finishing

### Modification History

Not applicable.

### Description

#### Qualification Notes

This qualification would be applicable to employees of aircraft maintenance organisations or specialist aircraft surface finishing organisations who are involved in the stripping of old finishes and in the preparation of aircraft and aircraft component surfaces for the application of paint and other specialist surface finishes. A limited range of component removal and installation tasks related to surface finishing tasks may also be performed.

Units of competency that comprise this qualification are a mix of common units that are applicable to all employment streams at the Certificate II level plus a number of structures technical stream units that relate to aircraft surface finishing and minor repairs, plus a mechanical technical stream unit that provides optional multi-skilling.

The qualification provides a significant number of credits towards Surface finishing qualifications at Certificate III and IV levels. The common units also provide credit towards other Aeroskills qualifications and the elective units would count towards a Certificate II in Aeroskills.

### 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>• Seeking guidance and describing clearly faults, problems and material requirements</li> <li>• Negotiating with team members regarding timing and progress of work activities</li> <li>• Understanding and interpreting procedures, instructions and maintenance publications</li> <li>• Completing maintenance documentation and component tags</li> <li>• Reading drawings relating to maintenance activities</li> <li>• Using computers to obtain maintenance data and complete documentation</li> </ul> <p>Networking with other team members regarding work planning and execution</p>
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 supervisors and other team members who may be of different ages, gender, race, religion and political persuasion</li> </ul> <p>Working effectively as a member of a team and gaining the trust and support of other team members</p>
Problem-solving	<ul style="list-style-type: none"> <li>• Identifying problems 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>• Responding to emergencies or accidents in accordance with regulatory and organisational requirements</li> </ul> <p>Using mathematical techniques to obtain and apply dimensional and tolerance data and to convert values between systems of measurement</p>
Initiative and enterprise	<ul style="list-style-type: none"> <li>• Adapting to new situations that arise as a consequence of revised maintenance data, practices and procedures</li> <li>• Varying work practices and behaviour as a result of performance feedback during competency development and job performance</li> <li>• Evaluating under guidance ideas that may result in modifications or changes to work processes</li> </ul>

<b>EMPLOYABILITY SKILLS QUALIFICATION SUMMARY</b>	
	<ul style="list-style-type: none"> <li>Applying human factors to avoid maintenance errors and maintain quality standards and adapting competencies to the performance of a range of surface finishing tasks</li> </ul> <p>Contributing to a process of continuous improvement and a willingness to support and participate in the effective introduction of new work practices</p>
Planning and organising	Clarifying task objectives and required outcomes with supervisors
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>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 guidance required and the level of supervision exercised by supervisors</li> </ul> <p>Identifying career paths beyond Certificate II</p>
Learning	<ul style="list-style-type: none"> <li>Taking advantage of learning opportunities that arise through expansion of the range of tasks and through organisational continuation training</li> <li>Adapting competencies to accommodate new ideas and techniques</li> </ul> <p>Using feedback from peers and supervisors to identify ways in which competence can be improved</p>
Technology	<ul style="list-style-type: none"> <li>Maintaining components and component parts that are within the scope of competencies and selecting applicable tools and equipment</li> <li>Storing and caring for components, component parts, tools and support equipment</li> <li>Amending print-based maintenance publications</li> </ul> <p>Using computers and microfiche to obtain maintenance data and using computers to complete documentation</p>

## Packaging Rules

### Packaging Rules

Competency must be demonstrated in 12 or 13 units of competency, depending on the choice of specialist units. These units include 11 Core units consisting of common, imported and technical stream units plus either Elective Group A (one unit) or Group B (two units)

### Core Units

<b>Unit Code</b>	<b>Unit Title</b>	<b>Prerequisite</b>
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 documentation	MEA105B
MEA109B	Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance	MEA105B, 108B
MEA117A	Apply self in the aviation maintenance environment	Nil
MSAENV272B	Participate in environmentally sustainable work practices	Nil

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

### Elective Units

Group A		
Unit Code	Unit Title	Prerequisite
MEA330B	Dismantle, inspect, maintain and assemble aircraft non-primary structural removable components or parts and internal fittings	MEA101B, 103B, 105B, 107B, 108B, 109B
Group B		
Unit Code	Unit Title	Prerequisite
MEA406B	Repair/modify aircraft non-primary structural sheetmetal components	MEA101B, 103B, 105B, 107B, 108B, 109B
MEA407B	Repair/modify aircraft non-primary structural non-metallic components	MEA101B, 103B, 105B, 107B, 108B, 109B