



**Australian Government**

# **MEA30311 Certificate III in Aircraft Life Support and Furnishing**

**Release 2**

# **MEA30311 Certificate III in Aircraft Life Support and Furnishing**

## **Modification History**

Release 2 - Licensing requirements clarified. Imported units updated to current version - equivalent

Release 1 - Unit codes updated as required - equivalent

## **Description**

This qualification may be applicable to members of the ADF and to employees of aircraft maintenance organisations who are maintaining aircraft and personal life support equipment and aircraft furnishings.

The qualification consists of a number of common units plus mandatory and elective technical stream units including a number of imported units dealing with explosive ordnance (pyrotechnics) safety and inspection, and with sewing, trimming and use of fabric adhesives.

## **Pathways Information**

The qualification articulates with MEA41111 Certificate IV in Aircraft Life Support and Furnishing and the common units and the elective Avionic, Mechanical and Structures Technical Stream units provide a number of credits towards other Aeroskills Certificates at Certificate II, III and IV levels.

## **Licensing/Regulatory Information**

This qualification complies with airworthiness regulatory requirements of CASA and the ADF.

## **Entry Requirements**

Not applicable.

## Employability Skills Summary

Employability Skill	Industry/enterprise requirements for this qualification include:
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 life support and furnishing 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> <li>• Delivering briefings on the use of items of life support equipment and communicating with individuals being fitted with personal items of life support equipment</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 manufacture fabric items 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 performance feedback from peers and supervisors</li> </ul>

	<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 and life support equipment fitting 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 life support/furnishing maintenance equipment and ground support equipment and troubleshooting equipment faults</li> <li>• Testing the performance and calibration of life support and furnishing equipment</li> </ul>

	<ul style="list-style-type: none"><li>• Storing and caring for life support and furnishing equipment, PPE and support equipment</li><li>• Amending various forms of maintenance data</li><li>• Using computers and microfiche to obtain life support equipment and maintenance data and using computers to complete documentation</li></ul>
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## Packaging Rules

To be awarded the MEA30311 Certificate III in Aircraft Life Support and Furnishing, competency must be demonstrated in **twenty one (21)** units of competency, as follows:

- **nine (9)** Core units consisting of common and imported units
- **twelve (12)** Elective units (chosen in accordance with the unit selection guidelines in Column four) from the technical stream and imported units in Group A.

### Core units

Unit code	Unit title	Prerequisites
MEA101B	Interpret occupational health and safety practices in aviation maintenance	Nil
MEA103B	Plan and organise aviation maintenance work activities	MEA101B, MEA105C, MEA107B, MEA108B
MEA105C	Apply quality standards applicable to aviation maintenance processes	MEA101B, MEA107B
MEA107B	Interpret and use aviation maintenance industry manuals and specifications	Nil
MEA108B	Complete aviation maintenance industry documentation	MEA105C
MEA109B	Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance	MEA105C, MEA108B
MEA118A	Conduct self in the aviation maintenance environment	Nil
MEM12001B	Use comparison and basic measuring devices	Nil
MSAENV272B	Participate in environmentally sustainable work practices	Nil

### Elective units Group A

Unit code	Unit title	Prerequisites	Unit selection guidelines
MEA240B	Use electrical test equipment to perform basic electrical	MEA101B	

<b>Unit code</b>	<b>Unit title</b>	<b>Prerequisites</b>	<b>Unit selection guidelines</b>
	tests	MEA103B MEA105C MEA107B MEA108B MEA109B	
MEA304C	Remove and install non-pressurised aircraft structural and non-structural components	MEA302C	do not take with MEA317C
MEA317C	Remove and install pressurised aircraft structural and non-structural components	MEA302C MEA303D	do not take with MEA304C
MEA411A	Remove surface coatings from aircraft or aircraft components	MEA101B MEA103B MEA105C MEA107B MEA108B MEA109B	
MEA412A	Pre-treat aluminium alloy surfaces	MEA101B MEA103B MEA105C MEA107B MEA108B MEA109B	
MEA414A	Remove light corrosion from aircraft	MEA101B MEA103B MEA105C MEA107B MEA108B MEA109B	do not take with MEA419A

Unit code	Unit title	Prerequisites	Unit selection guidelines
MEA416A	Apply aircraft identification markings, graphics and decals	MEA101B MEA103B MEA105C MEA107B MEA108B MEA109B	
MEA419A	Inspect and repair/modify aircraft cabin/cockpit non-primary structure components	MEA101B MEA103B MEA105C MEA107B MEA108B MEA109B	do not take with MEA414A
MEA501A	Maintain and fit anti-G suits	MEA101B MEA103B MEA105C MEA107B MEA108B MEA109B MEA118A MEA511A LMFSF2002B	
MEA502A	Maintain and fit helmets	MEA101B MEA103B MEA105C MEA107B MEA108B MEA109B MEA118A MEA240B	
MEA503A	Maintain and fit immersion	MEA101B	



Unit code	Unit title	Prerequisites	Unit selection guidelines
	suits	MEA103B MEA105C MEA107B MEA108B MEA109B MEA118A LMTTF2008A	
MEA504A	Maintain and fit oxygen masks	MEA101B MEA103B MEA105C MEA107B MEA108B MEA109B MEA118A MEA240B	
MEA505A	Maintain and pack parachutes	MEA101B MEA103B MEA105C MEA107B MEA108B MEA109B MEA118A MEA511A LMFSF2002B	
MEA506A	Maintain and pack survival inflatable life rafts and escape slides	MEA101B MEA103B MEA105C MEA107B MEA108B MEA109B MEA118A	

Unit code	Unit title	Prerequisites	Unit selection guidelines
MEA507A	Maintain, pack and fit survival inflatable buoyancy vests	MEA101B MEA103B MEA105C MEA107B MEA108B MEA109B MEA118A	
MEA508A	Maintain, install and remove restraint systems	MEA101B MEA103B MEA105C MEA107B MEA108B MEA109B MEA118A MEA511A LMFSF2002B	Elective
MEA509A	Manufacture, repair and alter aircraft related fabric components	MEA101B MEA103B MEA105C MEA107B MEA108B MEA109B MEA118A MEA511A LMFSF2002B	
MEA510A	Maintain seat and pod electrical and electronic systems	MEA240B	
MEA511A	Operate and maintain sewing machines and overlockers	Nil	
AURVTT2004	Trim vehicle components	Nil	do not take with

Unit code	Unit title	Prerequisites	Unit selection guidelines
			LMFUP3012B
AURVTT2005	Select and apply trim and fabric materials	Nil	
AURVTT2006	Select and apply trim and fabric adhesives	Nil	do not take with LMTTF2008A
LMFSF2001B	Cut single layer fabrics	Nil	
LMFSF2002B	Machine sew materials	Nil	
LMFUP3012B	Apply marine sewing and installation techniques	Nil	do not take with AURVTT2004
LMTTF2008A	Use adhesives	Nil	do not take with AURVTT2005
DEFEO101D	Work safely with explosive ordnance	Nil	
DEFEO501D	Conduct explosive ordnance inspection	Nil	

## Custom Content Section

Not applicable.