



Australian Government

Department of Education, Employment and Workplace Relations

MEA208C Remove and install aircraft pressurisation control system components

Revision Number: 2

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Modification History

Minor formatting and editorial changes made.

Unit Descriptor

This unit of competency is part of the Avionic Certificate IV AME training pathway and is also part of the Mechanical Aircraft Maintenance Engineer licensing pathway. It covers the competencies required for the removal and installation of pressurisation control system components of fixed wing aircraft. The unit is used in workplaces that operate under the airworthiness regulatory systems of the ADF and CASA.

Where a CASA licensing outcome is sought this unit forms part of the CASA requirement for the granting of the chosen Aircraft Maintenance Engineer Licence or licence extension under CASR Part 66, in accordance with the licensing provisions in Section 3, Assessment Guidelines.

Application of the Unit

This unit requires application of hand skills and the use of maintenance documentation/publications in the removal and installation of pressurisation control system components.

Applications include fixed wing aircraft that have pressurisation systems.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

MEA201B	Remove and install miscellaneous aircraft electrical hardware/components
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Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
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Elements and Performance Criteria

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| 1. Remove
pressurisation control
system components | 1.1. System is rendered safe and prepared in accordance with the applicable maintenance manual and isolation tags are fitted where necessary to ensure personnel safety
1.2. Pressurisation control system component removal is carried out in accordance with the applicable maintenance manual
1.3. Required maintenance documentation is completed and processed in accordance with standard enterprise procedures
1.4. Removed components are tagged and packaged in accordance with specific requirements |
| 2. Install aircraft
pressurisation control
system components | 2.1. Pressurisation control system components to be installed are checked to confirm correct part numbers, modification status, serviceability and shelf life
2.2. Physical installation of pressurisation control components is performed in accordance with the applicable maintenance manual
2.3. System is reinstated to correct operational condition in preparation for testing
2.4. Required maintenance documentation is completed and processed in accordance with standard enterprise procedures |

Required Skills and Knowledge

Required skills

Look for evidence that confirms skills in:

- applying relevant OHS practices
- using approved maintenance documentation and aircraft publications relating to the pressurisation control system and components being maintained
- locating and identifying the components of pressurisation control systems

Required knowledge

Look for evidence that confirms knowledge of:

- component attachment methods
- connection of components and plugs
- relevant OHS practices
- the layout and operation to block diagram level of mechanical and electronic pressurisation control systems
- handling precautions relating to electrostatic sensitive devices
- relevant maintenance manuals
- relevant regulatory requirements and standard procedures

Evidence Guide

The Evidence Guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment	A person who demonstrates competency in this unit must be able to remove and install the components of aircraft pressurisation control systems while observing all relevant safety and component handling precautions.
Critical aspects for assessment and evidence required to demonstrate competency in this unit	It is essential that cleanliness requirements and safety precautions applicable to the system being maintained are fully observed, understood and complied with, as well as work practices associated with electrostatic sensitive devices. Evidence of transferability of skills and knowledge related to removal and installation is essential. An understanding of the attachment methods, connection of hardware, and the need for confirming correct system operation must be demonstrated before undertaking any action. The work plan should take account of applicable safety and quality requirements in accordance with the industry and regulatory standards. A person cannot be assessed as competent until it can be demonstrated to the satisfaction of the workplace assessor that the relevant elements of the unit of competency are being achieved under routine supervision on a representative range of pressurisation control system components. This shall be established via the records in the Log of Industrial Experience and Achievement or, where appropriate, an equivalent Industry Evidence Guide.
Context of and specific resources for assessment	Competency should be assessed in the workplace or simulated workplace using tools and equipment specified in maintenance manuals. It is also expected that general-purpose tools, test and ground support equipment found in most routine situations would be used where appropriate.
Method of assessment	
Guidance information for assessment	

Range Statement

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

Application	Application of this unit may relate to: • scheduled or unscheduled maintenance activities • individual or team-related activities
Procedures and requirements	Refer to industry standard procedures specified by manufacturers, regulatory authorities or the enterprise

Unit Sector(s)

Aviation maintenance

Competency field

Co-requisite units

Not applicable