



Australian Government

**MEACOM0029 Convert skills and
knowledge from allied trades for
employment in aviation maintenance
workshops**

Release: 1

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Modification History

Release 1. Application changed. Elements and Performance Criteria changed. Foundation Skills made explicit. Range of Conditions removed, and relevant information moved to Assessment Requirements. Assessment Requirements clarified. Supersedes and is equivalent to MEA145 Conversion from allied trades for employment in aviation maintenance workshops.

Application

This unit describes the skills and knowledge required to apply common core skills and knowledge that are aviation maintenance-specific and meet the requirements of the two regulators, the Civil Aviation Safety Authority (CASA) and the Defence Aviation Safety Authority (DASA). The skills and knowledge will be applied during the maintenance of items of aeronautical product in aviation maintenance workshops.

The unit applies to individuals with Certificate III or Certificate IV qualifications in allied trades (primarily automotive, electrotechnology or metals and engineering) who will be employed in aviation maintenance workshops. It covers aviation maintenance-specific parts of common core competencies that must be applied by all individuals employed to maintain items of aeronautical product and that have not been covered in allied trade units relating to similar areas of expertise.

The unit is used in workplaces that operate under the airworthiness regulatory systems of the Civil Aviation Safety Authority (CASA) and the Defence Aviation Safety Authority (DASA).

Any other relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

MEA157 Complete aviation maintenance industry documentation

Competency Field

Aviation maintenance

Elements and Performance Criteria

Elements	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Identify and access	1.1 Identify and access appropriate manuals for the type of

<p>aviation industry manuals, specifications and drawings</p>	<p>aircraft or component being maintained</p> <p>1.2 Establish amendment status from documentation to ensure the correct specifications and procedures are applied</p>
<p>2. Amend and store manuals, specifications or drawings</p>	<p>2.1 Incorporate and document manual, specification or drawing changes or amendments, including current or approved amendment status, in accordance with statutory regulations and/or enterprise procedures</p> <p>2.2 Store manuals, specifications or drawings to ensure prevention of damage, ready access and required updating of information in accordance with regulatory or enterprise procedures</p>
<p>3. Apply standard trade practices</p>	<p>3.1 Lay out and fabricate simple items from common aircraft materials</p> <p>3.2 Select and use common types of aircraft attachment hardware to meet specified requirements and suit construction material</p> <p>3.3 Select and use common types of safety locking devices and fasteners to meet requirements</p> <p>3.4 Lockwire aircraft components, devices and hardware, using the appropriate wire gauge</p> <p>3.5 Assemble or connect common types of aircraft connectors and plumbing and apply required safety locking devices to meet requirements</p> <p>3.6 Assemble or connect aircraft control cables and apply required safety locking devices to meet requirements</p>
<p>4. Interpret and apply quality standards in the aviation maintenance environment</p>	<p>4.1 Communicate standards or specifications in maintenance documents and identify and interpret process specifications</p> <p>4.2 Identify, confirm and apply enterprise quality requirements</p>
<p>5. Plan steps and organise work to complete task</p>	<p>5.1 Plan work steps in conjunction with the work of other personnel to achieve practical outcomes in accordance with relevant aircraft publications, maintenance regulations, orders and standards and practices</p> <p>5.2 Allow for human factors and work health and safety (WHS) requirements, including the use of material safety data sheets (MSDS), in planning of steps</p> <p>5.3 Organise work activity with other involved personnel, allowing for relevant human factors and using relevant communication processes to ensure safe and appropriate sequencing of tasks</p>

	5.4 Complete and record all necessary documentation related to job planning and progress in accordance with relevant aircraft publications, maintenance regulations, orders and standards and practices
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Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Reading skills to interpret maintenance manuals.
- Numeracy skills to interpret technical information.

Other foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Release 1. Supersedes and is equivalent to MEA145 Conversion from allied trades for employment in aviation maintenance workshops.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=ce216c9c-04d5-4b3b-9bcf-4e81d0950371>