



Australian Government

MEA127 Provide technical advice in the maintenance and management of aircraft and aeronautical product

Release: 2

MEA127 Provide technical advice in the maintenance and management of aircraft and aeronautical product

Modification History

Release 2. Equivalent to MEA127 Provide technical advice in the maintenance and management of aircraft and aeronautical product. Updated to meet training package policy requirements.

Application

This unit of competency describes the skills and knowledge required to provide technical advice on the need for modifications, repairs, and scheduled or unscheduled maintenance on aircraft, aircraft systems, and items of aeronautical product.

The unit applies within the jurisdiction of the Civil Aviation Safety Authority (CASA).

This unit forms part of the Civil Aviation Safety Authority (CASA) requirement for maintenance certification licences under Civil Aviation Safety Regulation (CASR) Part 66. Where a CASA licensing outcome is sought, users must refer to the licensing provisions in the MEA Aeroskills Companion Volume Implementation Guide.

Pre-requisite Unit

MEA705 Apply basic scientific principles and techniques in aeronautical engineering situations

and

MEA707 Select and test aeronautical engineering materials

OR

MEA706 Apply basic scientific principles and techniques in avionic engineering situations

and

MEA708 Select and test avionic engineering materials

Competency Field

Aviation maintenance management

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. Develop an aircraft maintenance program and minimum equipment list

1.1 Determine requirements for an aircraft maintenance program from regulations, and organisational policies and procedures

1.2 Identify or draft applicable maintenance program according to regulatory guidelines

1.3 Submit proposed maintenance program for approval

1.4 Determine requirement for minimum equipment list from regulations, and organisational policies and procedures

1.5 Compile and submit minimum equipment list for approval according to regulations, and organisational policies and procedures

2. Develop a continuing airworthiness management organisation exposition

2.1 Determine need for continuing airworthiness management organisation exposition from regulations

2.2 Draft and submit continuing airworthiness management organisation exposition for approval according to organisational policies and procedures

3. Develop a maintenance organisation exposition

3.1 Determine requirement for maintenance organisation exposition from regulations

3.2 Draft maintenance organisation exposition according to regulatory guidelines, and organisational policies and procedures

4. Provide mechanical advice in aircraft maintenance

4.1 Provide independent technical input with regard to aircraft structure and mechanical systems and components

4.2 Use own knowledge of aircraft structures and seek specialist input to determine their airworthiness

4.3 Use own knowledge of aircraft mechanical systems and components and seek specialist input to determine their airworthiness

5. Provide avionic advice in aircraft maintenance

5.1 Provide independent technical input with regard to avionic systems and components

ELEMENTS

PERFORMANCE CRITERIA

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| | 5.2 Use own knowledge of avionic systems and components and seek specialist input to determine their airworthiness |
| 6. Evaluate and review aircraft maintenance and management system elements | 6.1 Monitor aircraft operation and maintenance trends |
| | 6.2 Review maintenance management system elements against trends and propose amendments according to regulatory requirements, and organisational policies and procedures |

Foundation Skills

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

Unit Mapping Information

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Links

Companion Volume implementation guides are found in VETNet -

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