



Australian Government

MEACOM0015 Provide technical advice in the maintenance and management of aircraft and aeronautical product

Release: 1

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Modification History

Release 1. Application changed. Elements and Performance Criteria changed. Foundation Skills made explicit. Assessment Requirements clarified. Supersedes and is equivalent to MEA127 Provide technical advice in the maintenance and management of aircraft and aeronautical product.

Application

This unit 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 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

MEAENG0003 Select and test 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

Elements	Performance Criteria
	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 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

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 documentation.
- Writing skills to create a continuing airworthiness management organisation exposition.
- Numeracy skills to interpret and communicate technical information.

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

Unit Mapping Information

Release 1. Supersedes and is equivalent to MEA127 Provide technical advice in the maintenance and management of aircraft and aeronautical product.

Links

Companion Volume implementation guides are found in VETNet -

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