



Australian Government

MEACOM0006 Plan and implement aeronautical product maintenance activities

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 MEA115 Plan and implement aeronautical product maintenance activities.

Application

This unit of competency describes the skills and knowledge required to plan, implement and evaluate workplace maintenance activities in compliance with airworthiness regulatory requirements.

The unit applies to activities relating to overhauling, repairing and modifying 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

Nil

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. Plan aeronautical product maintenance activity	1.1 Determine maintenance requirements from required sources 1.2 Analyse and prioritise maintenance tasks in line with identified maintenance requirements 1.3 Identify resource requirements and allocate to ensure timely and efficient completion of maintenance tasks 1.4 Record maintenance tasks to be performed according to organisational policy and procedures

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
2. Implement aeronautical product maintenance activity	2.1 Communicate and agree roles and responsibilities of maintenance personnel involved in maintenance tasks 2.2 Arrange resources and equipment required to perform maintenance tasks 2.3 Maintain regular liaison with maintenance personnel to ensure tasks are completed in required time frame and continuity is maintained 2.4 Provide management and other stakeholders with regular updates on maintenance progress by way of written and spoken communication 2.5 Monitor maintenance activities to ensure compliance with prescribed instructions, policy, procedures and regulatory requirements 2.6 Provide advice and assistance with maintenance activities in line with workplace requirements 2.7 Resolve maintenance problems in line with applicable maintenance documentation
3. Evaluate and report product maintenance outcomes	3.1 Evaluate final maintenance outcomes against applicable maintenance documentation according to organisational policy and procedures 3.2 Collate, evaluate, and distribute maintenance reports to designated management personnel within required timeframe and according to regulatory requirements and organisational policy and procedures 3.3 Package required maintenance release documentation with items of aeronautical product that are being released to service

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 information.
- Writing and oral communication skills to report on maintenance outcomes and produce maintenance notes, worksheets, status reports, briefs and individual directives in English.
- Numeracy skills to calculate resource requirements.

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 MEA115 Plan and implement aeronautical product maintenance activities.

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for MEACOM0006 Plan and implement aeronautical product maintenance activities

Modification History

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Performance Evidence

There must be evidence the candidate has completed all the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- plan and implement aeronautical product maintenance activities for three different aeronautical products, each in a different context
- manage a workplace when performing each maintenance activity
- evaluate and report on the outcomes of each maintenance activity.

While undertaking the above aeronautical product maintenance, the candidate must:

- demonstrate planning and problem-solving techniques suited to the above activities
- apply regulations, policies and procedures relevant to planning and implementing aeronautical product maintenance activities, including work health and safety (WHS) requirements
- manage personnel and resources, including determining resource requirements relating to:
 - required numbers of personnel and their availability
 - personnel qualifications, experience and authorisations
 - requirements relating to:
 - spares
 - consumables
 - special equipment, including component test stations
 - ground support equipment
 - personal protective equipment (PPE)
 - technical data
- provide advice and assistance when:
 - performing fault diagnosis and troubleshooting procedures
 - assessing damage
 - assessing repair cost-effectiveness
 - assessing replacement options
- address maintenance problems encountered, including those relating to:
 - lack of resources
 - unanticipated breakdowns or faults

- changes in priorities
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- basic planning and problem-solving techniques required for the product maintenance activities described in the performance evidence
- basic function and theory of operation of applicable items of aeronautical product
- cost-effectiveness considerations for different repair types
- philosophies and considerations associated with repair versus replacement options
- organisational procedures relating to aeronautical product maintenance activities found in:
 - aviation maintenance organisation manuals
 - organisational policy and procedures manuals
 - procedures manuals
 - quality manuals
 - safety manuals
 - standing instructions
- regulatory requirements relating to aeronautical product maintenance activities found in:
 - relevant aviation safety regulations
- organisational and airworthiness regulatory requirements for planning, undertaking, recording, reporting and evaluating the maintenance activities described in the performance evidence, including for:
 - recording maintenance tasks to be performed
 - collating, evaluating and distributing maintenance reports
 - troubleshooting, including test station operation
 - applying compliance requirements in prescribed workplace instructions
- organisational communication protocols relating to maintenance notes, worksheets, status reports, briefs and individual directives
- equity, fraud, and ethics requirements set out in organisational code of conduct specific to the maintenance activities described in the performance evidence
- requirements of WHS legislation for the maintenance activities described in the performance evidence.

Assessment Conditions

The following conditions of assessment represent the requirements of the regulators (DASA and CASA) and maintenance stakeholders and must be rigorously observed.

Skills must have been demonstrated in the workplace or in a simulated environment that reflects typical aeronautical product maintenance situations, conditions and contingencies, or a combination of on- and off-the-job settings. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - workplace procedures, product and manufacturing specifications, codes, standards, manuals and reference materials relevant to planning and implementing aeronautical product maintenance activities
 - tools, equipment, materials, and documentation required to plan and implement aeronautical product maintenance activities.

Evidence of tasks demonstrating competency must be recorded in the maintenance management competency log or an equivalent industry evidence guide.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet -

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