



Australian Government

MEACOM0018 Manage deployed and detached aviation 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 MEA130 Manage deployed/detached aviation maintenance activities.

Application

This unit describes the skills and knowledge required to plan deployed aircraft maintenance, provide support to deployed maintenance personnel, and monitor and evaluate their activities within the Australian Defence Force (ADF) airworthiness jurisdiction. Work may be performed individually or as part of a team.

The unit applies to deployment and detachment activities at away-from-home bases of aircraft that are to be supported by a deployed maintenance team for scheduled and unscheduled maintenance. The work may be undertaken in Australia or overseas in military airfields, civilian airfields, and unprepared areas of operations.

The unit is used in workplaces that operate under the airworthiness regulatory systems of 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 aircraft detachment maintenance activities	1.1 Determine deployment/detachment objectives 1.2 Identify resource requirements, and obtain and allocate resources in line with identified objectives 1.3 Validate maintenance personnel qualifications and authorisations

Elements	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	1.4 Establish liaison with detachment locality authorities 1.5 Schedule detachment activities
2. Prepare maintenance plan	2.1 Incorporate short- and long-term goals into maintenance plan in line with flight or squadron objectives and priorities 2.2 Check maintenance plan to ensure it conforms to airworthiness regulations and ADF policies and procedures and that it reflects available resources 2.3 Develop realistic and relevant work objectives
3. Detach aircraft	3.1 Perform pre-detachment inspections and report deficiencies according to ADF policy and procedures 3.2 Brief designated personnel 3.3 Detach aircraft and equipment
4. Provide technical airworthiness/engineering advice	4.1 Submit maintenance interval extension requests as required and in line with organisational policy and procedures 4.2 Authorise carried forward unserviceabilities 4.3 Provide technical advice to higher authorities relating to maintenance and to design of modifications and repairs to aircraft structure or systems
5. Monitor and evaluate maintenance activities	5.1 Assess maintenance outcomes against maintenance plan goals and objectives 5.2 Identify and analyse deviations and problems and initiate required responses 5.3 Record and report maintenance outcomes according to ADF policy 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 regulations, manuals and procedures.
- Writing skills to communicate maintenance plans and outcomes.
- Numeracy skills to interpret 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 MEA130 Manage deployed/detached aviation 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 MEACOM0018 Manage deployed and detached aviation maintenance activities

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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:

- manage deployed or detached aviation maintenance of an aircraft within the Australian Defence Force (ADF) airworthiness regulatory environment during one scheduled or one unscheduled maintenance, and during the activity:
 - prepare an aircraft maintenance plan
 - determine resource requirements relating to:
 - personnel
 - spare parts and fly-away kits
 - ground support equipment
 - facilities
 - vehicles
 - finance
 - perform pre-detachment inspections, including:
 - facilities and accommodation
 - fuel
 - technical facilities
 - site survey
 - spare parts
 - use required fire-fighting equipment and personal protective equipment (PPE)
 - provide technical airworthiness and engineering advice, including to:
 - authorised maintenance organisations
 - authorised engineering organisations
 - Director General Technical Airworthiness
 - senior commanders.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- airworthiness regulations and ADF policies and procedures, including:

- aircraft maintenance regulations
- safety manuals
- work health and safety (WHS) legislation
- Defence instructions
- standing instructions
- local instructions
- specific aircraft and equipment maintenance manuals
- servicing schedules
- modifications and deviations
- organisational policy and procedures, including:
 - protocols for establishing liaison with detachment locality authorities
 - compiling maintenance reports
 - compiling defect and safety reports
 - equity, fraud and ethics requirements set out in organisational code of conduct specific to the work described in the performance evidence
- factors to consider when validating personnel qualifications and authorisations, including:
 - duty statements
 - job descriptions
 - maintenance personnel authorisation workbooks.

Assessment Conditions

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

Skills must have been demonstrated under routine supervision in the workplace or in a simulated environment that reflects workplace conditions and contingencies encountered in managing deployed detached aviation maintenance activities, or a combination of on- and off-the-job assessment. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - workplace procedures, manufacturing specifications, product and manufacturing specifications, codes, standards, manuals, and reference materials relevant to managing deployed detached aviation maintenance activities
 - tools, equipment, and materials required to demonstrate the performance evidence above
 - suitable personnel from detachment locality authorities as required, including:
 - military command
 - location facilities personnel
 - civilian authorities
 - other detached units or organisations.

Evidence of tasks demonstrating competency must be recorded in a log of industrial experience and achievement.

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

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