



Australian Government

MEA140 Supervise aviation maintenance teams and perform maintenance quality inspections

Release: 2

MEA140 Supervise aviation maintenance teams and perform maintenance quality inspections

Modification History

Release 2. Equivalent to MEA140 Supervise aviation maintenance teams and perform maintenance quality inspections. Updated to meet training package policy requirements.

Application

This unit of competency describes the skills and knowledge required to manage and supervise aviation maintenance teams, and perform maintenance quality inspections in the Australian Defence Force (ADF) and contractor organisations maintaining ADF aircraft and items of aeronautical product. Work may be performed individually or as part of a team.

The unit applies to supervising an aviation maintenance team during a range of scheduled and unscheduled maintenance activities, including configuration changes, incorporating modifications, and repairs and overhauls.

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

Candidates must have been appointed as a maintenance quality inspector (MQI) or independent inspector in order to be assessed for this unit of competency.

This unit forms part of the 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

Nil.

Competency Field

Aviation maintenance management

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1. Plan aviation maintenance for teams

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1 Identify and analyse maintenance tasks from available maintenance data or schedule according to organisational procedures

ELEMENTS

PERFORMANCE CRITERIA

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| | 1.2 Organise team workload in order of priority taking into consideration required maintenance tasks and specified timeframes |
| | 1.3 Identify and obtain required resources |
| | 1.4 Check tools and support equipment for serviceability and currency of calibration, where applicable |
| 2. Implement team aviation maintenance activities | 2.1 Allocate maintenance tasks to team members after consideration of individual experience, qualifications, and task authorisations |
| | 2.2 Brief team members on their responsibility and function in the team |
| | 2.3 Authorise team members to operate required items of ground support and test equipment |
| 3. Provide guidance | 3.1 Provide guidance to team members appropriate to complexity or criticality of maintenance task and experience level of individual |
| | 3.2 Provide guidance in determining cause of complex faults, or faults not covered in maintenance manual fault diagnosis guides |
| 4. Monitor and certify aviation maintenance quality | 4.1 Check maintenance activities and guide personnel to ensure that maintenance is performed and certified according to required documentation, policies, and procedures |
| | 4.2 Perform check inspections on completed work or work stages and certify the work according to regulatory requirements, and policies and procedures |
| 5. Perform human resource management activities at the supervisor level | 5.1 Identify and address human factors affecting job performance |
| | 5.2 Minimise the possibility of maintenance errors |
| | 5.3 Maintain sound teamwork by supporting the identification of contributing factors |
| | 5.4 Support sound employment relations |
| 6. Perform workplace | 6.1 Deliver on-the-job training |

ELEMENTS

training tasks

PERFORMANCE CRITERIA

- 6.2 Complete Supervisor's Verification section of the Workplace History Sheets (Section 3) of the Log of Industrial Experience and Achievement
- 6.3 Provide expert witness verification of competency for workplace assessors, when required
- 6.4 Provide opportunities for individuals to develop competencies

Foundation Skills

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

Unit Mapping Information

Release 2. Equivalent to MEA140 Supervise aviation maintenance teams and perform maintenance quality inspections.

Links

Companion Volume implementation guides are found in VETNet -

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