



Australian Government

MEA160 Manage aircraft and equipment system performance testing

Release: 1

MEA160 Manage aircraft and equipment system performance testing

Modification History

Release 1. Equivalent to MEA122 Manage aircraft/equipment system performance testing. Code changes due to changed titles.

Application

This unit of competency describes the skills and knowledge required to use performance testing in establishing the airworthiness state of aircraft and aircraft systems, through means such as aircraft flight testing, engine ground runs, system functional tests, and test equipment calibration. Work may be performed individually or as part of a team.

The unit applies to performance testing during scheduled and unscheduled maintenance. It is used in workplaces that operate under the airworthiness regulatory systems of the Australian Defence Force (ADF) and the Civil Aviation Safety Authority (CASA).

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

MEA126 Manage aircraft maintenance activities

Competency Field

Aviation maintenance management

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1. Plan and specify performance tests for aircraft and equipment systems

PERFORMANCE CRITERIA

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

- 1.1 Establish performance test requirements for aircraft and equipment system according to airworthiness regulations, policies, and procedures, including work health and safety (WHS) requirements associated with engine running and system functional testing

ELEMENTS**PERFORMANCE CRITERIA**

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| | 1.2 Program aircraft and systems performance tests in conjunction with designated personnel |
| | 1.3 Communicate aircraft and systems performance test specifications to designated personnel according to organisational policies and procedures |
| | 1.4 Manage test equipment calibration according to regulatory requirements and organisational policies and procedures |
| 2. Assess aircraft and equipment systems performance | 2.1 Assess test results for compliance with test specifications |
| | 2.2 Identify and diagnose non-compliant test results in consultation with designated personnel |
| | 2.3 Assess aircraft and equipment systems for airworthiness compliance |
| 3. Produce performance testing documentation | 3.1 Produce and report rectification recommendations according to airworthiness policies and procedures |
| | 3.2 Document test results according to approved guidelines |

Foundation Skills

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

Unit Mapping Information

Release 1. Equivalent to MEA122 Manage aircraft/equipment system performance testing.

Links

Companion Volume implementation guides are found in VETNet -

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