



Australian Government

**MEA164 Perform airworthiness
management and maintenance program
tasks**

Release: 1

MEA164 Perform airworthiness management and maintenance program tasks

Modification History

Release 1. Supersedes and equivalent to MEA147 Perform airworthiness management and maintenance program tasks. Revised as a result of changed prerequisites. Unit codes updated.

Application

This unit of competency describes the skills and knowledge required to perform airworthiness management and maintenance program approval tasks.

The unit applies specifically to those employed in Civil Aviation Safety Regulation (CASR) Part 42 continuing airworthiness management organisations (CAMOs) on airworthiness review and maintenance program approval tasks associated with scheduled and unscheduled maintenance.

Work will typically be performed as a staff member of a CAMO as defined in the Part 42 Manual of Standards and in the associated Acceptable Means of Compliance and Guidance Material.

This unit forms part of the Civil Aviation Safety Authority (CASA) requirement for maintenance certification licences under 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

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1. Perform airworthiness review tasks

PERFORMANCE CRITERIA

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

- 1.1 Determine level of authorisation required to perform airworthiness review tasks
- 1.2 Obtain continuing airworthiness records for aircraft under review

ELEMENTS**PERFORMANCE CRITERIA**

- 1.3 Determine airworthiness status of aircraft
 - 1.4 Survey aircraft for compliance with regulations and with aircraft's approved type design
 - 1.5 Verify completion of required corrective action
 - 1.6 Write record of review according to CAMO procedures
 - 1.7 Raise and issue airworthiness review certificate or alternatively a notice of decision not to issue an airworthiness review certificate according to CAMO procedures
2. Perform maintenance program approval tasks
 - 2.1 Determine level of authorisation to perform maintenance program approval tasks
 - 2.2 Develop maintenance programs according to applicable regulations and CAMO procedures
 - 2.3 Develop variations to approved maintenance programs according to regulations and required CAMO procedures
 - 2.4 Develop maintenance schedules for inclusion in maintenance program according to CAMO procedures
 - 2.5 Develop schedule of life-limited parts for each maintenance program according to CAMO procedures
 - 2.6 Raise and process maintenance program approval documentation according to regulatory requirements and CAMO procedures
 - 2.7 Raise and process maintenance program variation approval documentation according to regulatory requirements and CAMO procedures
 - 2.8 Process one-off extensions to maintenance task intervals according to CAMO procedures
 - 2.9 Raise and maintain maintenance program approval records according to CAMO procedures
3. Perform reliability program tasks
 - 3.1 Determine requirement for reliability program
 - 3.2 Develop and write reliability program according to CAMO procedures

ELEMENTS**PERFORMANCE CRITERIA**

- 3.3 Determine responsibilities for reliability program administration and record them in program
- 3.4 Identify reliability data sources and specify data collection, recording, and analysis procedures and responsibilities in program details
- 3.5 Determine and record performance standards in program details, along with a process for regular review
- 3.6 Develop procedures for investigating when performance standards are exceeded and for implementing and recording corrective action
- 3.7 Monitor operation of reliability program to ensure program effectiveness

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 MEA147 Perform airworthiness management and maintenance program tasks.

Links

Companion Volume implementation guides are found in VETNet -

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