



**Australian Government**

# **Assessment Requirements for MEA159 Manage aircraft and aeronautical product configuration**

**Release: 2**

# Assessment Requirements for MEA159 Manage aircraft and aeronautical product configuration

## Modification History

Release 1.1 Equivalent to MEA121 Manage aircraft/aeronautical product configuration. Minor amendments to references to regulations to allow flexibility in their application.

Release 1. Equivalent to MEA121 Manage aircraft/aeronautical product configuration. Code changes due to changed titles.

## Performance Evidence

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

- manage the configuration of at least one aircraft and at least one aeronautical product
- audit the aircraft and aeronautical product configuration
- document maintenance activities in required format and distribute to designated personnel.

## Knowledge Evidence

There must be evidence the candidate has knowledge of:

- airworthiness regulations and organisational policy and procedures relating to:
  - changing and maintaining aircraft configuration
  - maintaining and validating aircraft weight and balance
  - modifying aircraft and aeronautical product
  - authenticating and checking aeronautical product for serviceability
  - compiling, maintaining, and distributing maintenance records, reports and documentation
- sources of above airworthiness regulations and organisational policy and procedures, including:
  - relevant aviation safety regulations
  - maintenance organisation manuals
  - aviation maintenance organisation exposition
  - continuing airworthiness management organisation exposition
  - maintenance control manuals
  - procedures manuals
  - work instructions
- key features of authorised specifications and technical drawings
- key components of weight and balance documentation
- role/alternate mission changes and related maintenance actions
- product deviations

- approval processes for local manufacture of components
- procedures for determining authenticity of components, including through search of the following sources for evidence of component authenticity:
  - authorised regulatory authority technical documentation
  - original equipment manufacturers' documentation
  - authorised release certificates
  - certificates of conformance
  - certifying statements
- cannibalisation procedures and impact on configuration
- key features of aircraft and aeronautical modification records and product maintenance documentation, including:
  - aircraft maintenance records
  - aeronautical product maintenance records
  - completed worksheets
- reporting protocols and key features of the following modification documentation:
  - reports and documents that must be forwarded to the relevant aviation safety authority as specified by the relevant aviation safety regulations
  - continuing airworthiness documentation and reports
  - computer maintenance database reports
  - stores forms
  - articles in use accounts
  - aircraft/equipment cross-reference records.

## Assessment Conditions

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

This unit may be assessed on the job, off the job, or a combination of both. Where assessment occurs off the job, an appropriate simulation must be used where the range of conditions reflects realistic workplace situations encountered in the management of aircraft aeronautical product configuration.

The candidate must be permitted to refer to relevant workplace procedures, product and manufacturing specifications, codes, standards, manuals, and reference materials.

The candidate must have access to:

- tools, equipment, and materials required to demonstrate the performance evidence above
- maintenance documentation applicable to the aircraft and aeronautical product maintenance configuration, including:
  - aircraft/equipment maintenance documentation required by applicable regulations and organisational policy and procedures:
    - aircraft maintenance records
    - aeronautical product maintenance records

- completed worksheets
- computer maintenance databases.

Candidate capability of providing the required performance and knowledge evidence must be established via the records in the Maintenance Management Competency Log. Where the individual does not have a Competency Log, evidence of capability can be gathered through direct observation, supervisor's reports, project work, samples and questioning.

Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.

Where the unit is to be used for CASA licensing purposes the assessor must also meet the criteria specified in the CASR Part 147 Manual of Standards.

## Links

Companion Volume implementation guides are found in VETNet -

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