



Australian Government

**Assessment Requirements for MEA107
Interpret and use aviation maintenance
industry manuals and specifications**

Release: 2

Assessment Requirements for MEA107 Interpret and use aviation maintenance industry manuals and specifications

Modification History

Release 2. Equivalent to MEA107 Interpret and use aviation maintenance industry manuals and specifications. Updated to meet training package policy requirements.

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:

- under routine supervision, access and analyse paper-based, microfiche or computer-based media information in at least one manual from each of the following groups of publications:
 - aircraft publications, maintenance instruction manuals, process specifications, servicing or service bulletins, or structural repair manuals
 - tooling or equipment manuals, manufacturer manuals, standard practices, organisational aviation regulations and publications
 - illustrated parts catalogues, aircraft wiring manuals or drawings.

The accessed information from drawings and diagrams in aircraft maintenance manuals must:

- be relevant to the aviation maintenance work being undertaken
- include component scaling, section, assembly, location, drawing applicability, and amendment status from the title block.

In providing evidence of the above, the candidate must:

- determine manual amendment status
- amend industry manuals to reflect current/approved amendment status in line with statutory regulations and organisational procedures
- calculate allowable dimension variations on a component from information in drawing title blocks and drawings
- calculate dimensions from drawings for the purpose of manufacturing aircraft components and hardware
- handle and store drawings, manuals and industry media, including microfiche and digital formats, according to regulatory and organisational procedures, including:
 - preventing damage to source material
 - ensuring ready access
 - updating information, when required.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- key features of different types of industry manuals used in aviation maintenance and types of media, including:
 - aircraft publications
 - maintenance instruction manuals
 - process specifications
 - servicing or service bulletins
 - structural repair manuals
 - equipment manuals
 - manufacturer manuals
 - standard practices
 - enterprise aviation regulations and publications
 - illustrated parts catalogues, aircraft wiring manuals or drawings
- requirements for custody and upkeep of industry manuals
- techniques for obtaining and applying data contained in industry manuals, including knowledge of manual structures and procedures for locating instructions relating to maintenance activity
- organisational procedures for storing retrieved industry manuals, specifications and drawings
- statutory regulations and/or organisational procedures relating to amending and storing manuals, specifications and drawings, including those found in:
 - Civil Aviation Regulations (CARs) or Civil Aviation Safety Regulations (CASRs)
 - applicable Defence regulations and instructions
 - aviation maintenance organisation manuals
 - standing instructions.

Assessment Conditions

The following conditions of assessment represent the requirements of the regulators (Australian Defence Force [ADF] and Civil Aviation Safety Authority [CASA]) and maintenance stakeholders, and must be rigorously observed.

Competency must be assessed in the work environment, or by use of simulated activities.

The candidate must have access to:

- industry manuals and specifications applicable to the aircraft maintenance environment, including:
 - organisational aviation manuals
 - aircraft publications
 - process sheets
 - specifications and drawings.

This unit must be linked in its assessment and application to other units, particularly those that apply to the actual maintenance of aircraft.

Candidate capability of providing the required performance and knowledge evidence must be established via the records in the Log of Industrial Experience and Achievement or, where appropriate, an equivalent Industry Evidence Guide (for details refer to the Companion Volume Implementation Guide).

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