



Australian Government

Assessment Requirements for MEA129 Investigate technical aspects of aviation occurrences

Release: 2

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Modification History

Release 2. Equivalent to MEA129 Investigate technical aspects of aviation occurrences.
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:

- conduct an evidence-based investigation into the technical aspects of the following two aviation occurrences within the Australian Defence Force (ADF) airworthiness jurisdiction:
 - one aircraft accident or aircraft incident
 - one maintenance incident.

In the course of the above work, the candidate must:

- collect, manage, and analyse evidence based on one or more of the following:
 - visual observation
 - interviews
 - statement reviews
 - technical investigation
- interview witnesses to the occurrence
- produce at least one of the following reports in line with ADF policy and procedures:
 - accident and incident report
 - safety report
 - defect report
 - investigation report
- produce verbal and written communication in English to the required level.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- ADF requirements, policies and procedures and statutory requirements relating to investigating technical aspects of aviation occurrences, including requirements for:
 - planning an investigation
 - producing and distributing occurrence reports
- regulatory requirements and organisational policy and procedures, including:

- investigation procedures, including notifying required authorities of occurrence
- protocols for interviewing witnesses
- application of a no blame culture
- equity, fraud and ethics requirements set out in organisational code of conduct specific to the work described in the performance evidence
- key technical aspects relating to the aircraft type and its systems
- key features of culpability matrix.

Assessment Conditions

The following conditions of assessment represent the requirements of the regulators (ADF and the Civil Aviation Safety Authority [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 during the technical investigation of aviation occurrences within the ADF airworthiness regulatory system.

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.

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 Civil Aviation Safety Regulation (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>