



Australian Government

MEACOM0017 Investigate technical aspects of aviation occurrences

Release: 1

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Modification History

Release 1. Application changed. Elements and Performance Criteria changed. Foundation Skills made explicit. Assessment Requirements clarified. Supersedes and is equivalent to MEA129 Investigate technical aspects of aviation occurrences.

Application

This unit describes the skills and knowledge required to investigate the technical aspects of aviation occurrences, including aircraft accidents, aircraft incidents, and maintenance incidents within the Australian Defence Force (ADF) airworthiness jurisdiction. It involves applying required procedures and technical knowledge in the course of investigations. Investigation may involve a combination of visual observation, interviews, statement reviews, and technical investigation. Work may be performed individually or as part of a team.

The unit is used in workplaces that operate under the airworthiness regulatory systems of the Defence Aviation Safety Authority (DASA).

Any other relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

Nil

Competency Field

Aviation maintenance management

Elements and Performance Criteria

Elements	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Provide first response to an aviation occurrence	1.1 Notify authorities of occurrence according to ADF policy and procedures 1.2 Provide specialist advice relevant to an aviation occurrence 1.3 Plan investigation according to ADF and statutory requirements

Elements	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
2. Collect evidence	2.1 Document evidence of personnel involved in an aviation occurrence 2.2 Interview witnesses and document information 2.3 Collate evidence associated with an aviation occurrence
3. Analyse occurrence	3.1 Analyse information according to established objectives of the investigation 3.2 Generate options for action that are consistent with ADF and/or statutory requirements and lead to recommendations that reduce future risk 3.3 Specify criteria to enable objective evaluation of the options to be undertaken
4. Produce report	4.1 Review collected evidence and make satisfactory engineering conclusions and recommendations 4.2 Review conclusions with stakeholders 4.3 Cost recommendations 4.4 Produce formal reports according to ADF policy and procedures and distribute to designated authorities
5. Implement corrective measures	5.1 Select corrective measures for implementation that are feasible in terms of practicality and costing 5.2 Implement measures in line with recommendations

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Reading skills to interpret maintenance manuals.
- Numeracy skills to interpret technical information.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

Release 1. Supersedes and is equivalent to MEA129 Investigate technical aspects of aviation occurrences.

Links

Companion Volume implementation guides are found in VETNet -

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