



Australian Government

Assessment Requirements for MEACOM0025 Manage risk in aviation maintenance

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 MEA141 Manage risk in aviation maintenance.

Performance Evidence

There must be evidence the candidate has completed all the tasks outlined in the elements and performance criteria of this unit, and demonstrate the ability to develop and document a risk management plan for one scheduled or one unscheduled aviation maintenance program that includes:

- real and potential risks, their probability of occurrence, and degree of severity
- treatment options in each case
- responsibility for implementing treatment options and required response times
- resources required for risk management
- plan implementation timeframe
- periodic review timetable
- internal reporting system
- review methodology.

In the course of the above work, the candidate must identify risks and determine criteria for managing them, including:

- determining level and degree of acceptability of each identified risk
- legal aspects, such as regulatory violations and contractual commitments
- cost of managing specific risks versus cost to the organisation if the risk eventuated
- stakeholder perceptions and expectations.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- standard risk management procedures, including:
 - organisational policies and procedures for risk management
 - websites dealing with risk management
 - relevant aviation safety regulations
 - Australian and New Zealand Standard AS/NZS 4360:2004 Risk management
 - ISO 31000:2009 Risk management

- indicators of real and potential risks associated with the aviation maintenance program described in the performance evidence, including:
 - human factors, such as fatigue, illness and maintenance errors
 - work health and safety (WHS) issues resulting in injury or death
 - regulatory and procedural violations, such as inappropriate use of minimum equipment lists and failure to observe type certification standards
 - providing maintenance guidance to remotely located aircrew or maintenance personnel
 - maintenance difficulties, such as spares shortages and unexpected failures of systems or components
 - support equipment failure
 - environmental problems
 - contractual issues
 - skill and experience shortfalls
 - maintenance cost escalation
 - natural events
- key features of maintenance error management programs
- regulatory impact of risks
- contractual impact of risks
- key features of cost-benefit analysis
- federal and state or territory WHS and environment protection legislation
- methodology for evaluating the operation of risk management plans, including by:
 - oversight of day-to-day operations
 - interviews with personnel in the organisation
 - physical inspections
 - incident reports
 - questionnaires
 - periodic review of risk treatment procedures and outcomes
- techniques for evaluating risks
- equity, fraud and ethics requirements set out in organisational code of conduct specific to the work described in the performance evidence.

Assessment Conditions

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

Skills must have been demonstrated under routine supervision in the workplace or in a simulated environment that reflects workplace conditions and contingencies encountered in managing risk in aviation maintenance, or a combination of on- and off-the-job assessment. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - workplace procedures, product and manufacturing specifications, codes, standards, manuals, and reference materials relevant to managing risk in aviation maintenance

- all tools, equipment, materials, and documentation required to demonstrate the performance evidence above.

Evidence of tasks demonstrating competency must be recorded in a log of industrial experience and achievement.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet -

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