



Australian Government

Assessment Requirements for MEACOM0027 Develop and manage maintenance error management programs

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 MEA143 Develop and manage maintenance error management programs.

Performance Evidence

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

- develop a maintenance error management program for an aircraft or aeronautical product, aimed at reducing human error rates in an aviation maintenance organisation, addressing the investigation of events and safety issues, and reviewing accumulated data
- manage the developed program and respond to identified maintenance errors and significant safety issues.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- regulatory requirements and associated guidelines relating to the maintenance error management program, including:
 - Civil Aviation Safety Regulations (CASRs), manuals of standards and associated Acceptable Means of Compliance and Guidance Material (AMC/GM)
- regulatory procedures for reporting significant safety issues, including:
 - major defect report (MDR)
 - service difficulty report (SDR)
 - confidential aviation incident report (CAIR)
- organisational policies and procedures relating to the maintenance error management program, including:
 - aviation maintenance organisation expositions
 - quality manuals
 - safety manuals
 - procedures manuals
 - work instructions
- human factors with the potential to affect maintenance error management
- key features of investigative processes
- methodology for trend analysis
- procedures for specifying training requirements

- 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 DASA and CASA 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 developing and managing maintenance error management programs, 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, manufacturing specifications, codes, standards, manuals, and reference materials relevant to developing and managing maintenance error management programs.
 - 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>