



Australian Government

MEACOM0005 Certify aeronautical product maintenance

Release: 1

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Modification History

Release 1. Application changed. Elements and Performance Criteria changed. Foundation Skills made explicit. Range of Conditions removed, and relevant information moved to Assessment Requirements. Assessment Requirements clarified. Supersedes and is equivalent to MEA114 Certify aeronautical product maintenance.

Application

This unit describes the skills and knowledge required to apply the requirements of the Civil Aviation Safety Regulations (CASR) or the Defence Aviation Safety Regulations (DASR) for the certification of aeronautical product maintenance tasks that require such certification following completion of scheduled or unscheduled maintenance. Work may be performed individually or as part of a team.

The maintenance organisation standards required for the repair, overhaul or modification of the item of aeronautical product being certified for return to service also apply to this unit.

The unit is used in workplaces that operate under the airworthiness regulatory systems of the Civil Aviation Safety Authority (CASA) and 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

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. Determine status of aeronautical products and eligibility of assessor	1.1 Establish status of aircraft components and component parts in accordance with maintenance documentation 1.2 Confirm assessor's eligibility to certify maintenance activity completion
2. Comply with airworthiness	2.1 Release item of aeronautical product to service in accordance with

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
regulations in certifying aeronautical products for return to service	authorised enterprise procedures 2.2 Raise and compile required maintenance documentation 2.3 Apply configuration management (CM) procedures in accordance with authorised enterprise procedures 2.4 Compile and process maintenance-related reports in accordance with authorised enterprise procedures 2.5 Perform both oral and written required technical communication activities in accordance with authorised enterprise procedures

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 airworthiness regulations and procedures.
- Writing and oral communication skills to complete required communication and reporting activities clearly and concisely in English using industry terminology.

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 MEA114 Certify aeronautical product maintenance.

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for MEACOM0005 Certify aeronautical product maintenance

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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:

- certify aeronautical product maintenance on multiple different tasks fully representative of:
 - scheduled maintenance
 - unscheduled maintenance
 - configuration changes
 - modification incorporation
 - repairs
- interpret and apply airworthiness compliance requirements without error in performing, recording and certifying each activity listed above
- communicate information on technical and airworthiness issues both orally and in writing.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- Airworthiness Directive (AD) requirements under Civil Aviation Safety Regulations (CASR) Part 39
- maintainers' responsibilities under CASR Parts 66, 145 and 42 Subpart F
- aviation maintenance personnel licensing requirements under CASR Part 66
- maintenance organisations requirements under CASR Part 145 and 42 Subpart F
- design organisations under CASR Part 21J and the concept of airworthiness and how it underpins the legislative framework and compliance requirements
- Maintenance Training Organisations (MTOs) under CASR Part 147
- airworthiness compliance requirements, regulatory systems and procedures relevant to performing, recording and certifying maintenance activities, as follows:
 - international and national regulatory bodies and recognition agreements, including bilateral agreements
 - Australian airworthiness regulatory bodies and the legislative framework
 - the basis of airworthiness certification and determination of non-conformity
 - procedures for release of aeronautical product to service following maintenance

- procedures for certification of scheduled and unscheduled maintenance activities
- procedures for certification of the incorporation of modifications
- procedures for certifying the completion of repairs
- determining and applying configuration management (CM) procedures
- compiling and processing service difficulty reports
- compiling and processing technical investigation reports
- compiling and processing condition reports.

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 but without intervention for the purpose of log entries or in a simulated environment in a CASR Part 147 MTO that reflects workplace conditions and contingencies encountered in certifying aeronautical product maintenance, and covering interpreting and applying airworthiness control and certification requirements. 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 certifying aeronautical product maintenance.

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.

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