



Australian Government

MEA159 Manage aircraft and aeronautical product configuration

Release: 2

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Modification History

Release 1.1 Equivalent to MEA121 Manage aircraft/aeronautical product configuration. Minor amendments to references to regulations to allow flexibility in their application.

Release 1. Equivalent to MEA121 Manage aircraft/aeronautical product configuration. Code changes due to changed titles.

Application

This unit of competency describes the skills and knowledge required to apply configuration management (CM) procedures specified by applicable regulatory bodies and the organisation. It involves maintaining the configuration defined by original drawings, standards, and component fit of the aircraft or aeronautical product, and as subsequently varied by approved modifications or approved component/material substitution. The unit includes managing aircraft weight and balance, role equipment, modification state, and spares' authenticity and traceability. Work may be performed individually or as part of a team.

The unit applies to aircraft configuration during scheduled and unscheduled maintenance, and covers the equipment fit for approved aircraft and aeronautical product operation, including specified role equipment. The unit is used in workplaces that operate under the airworthiness regulatory systems of the Australian Defence Force (ADF) and the Civil Aviation Safety Authority (CASA).

This unit forms part of the CASA requirement for maintenance certification licences under Civil Aviation Safety Regulation (CASR) Part 66. Where a CASA licensing outcome is sought, users must refer to the licensing provisions in the MEA Aeroskills Companion Volume Implementation Guide.

Pre-requisite Unit

Nil.

Competency Field

Aviation maintenance management

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1. Maintain aircraft and aeronautical product

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1 Maintain aircraft and aeronautical product maintenance configuration in line with applicable maintenance

configuration	documentation
	1.2 Change and maintain aircraft configuration to meet established role requirements according to airworthiness regulations and organisational policy and procedures
	1.3 Modify aircraft and aeronautical product according to airworthiness regulations and organisational policy and procedures
	1.4 Authenticate and check aeronautical product for serviceability according to airworthiness regulations and organisational policy and procedures
	1.5 Produce locally manufactured components according to authorised specifications and technical drawings
2. Manage aircraft weight and balance	2.1 Maintain and validate aircraft weight and balance according to regulatory requirements and organisational policy and procedures
	2.2 Provide revised weight and balance data for revision of aircraft loading systems
3. Manage maintenance configuration records and documentation	3.1 Compile and distribute maintenance reports and documentation according to regulatory requirements and organisational policy and procedures
	3.2 Maintain maintenance records and associated documentation according to organisational policy and procedures
	3.3 Remedy deficiencies in documentation according to organisational policy and procedures

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

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Links

Companion Volume implementation guides are found in VETNet -

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