



Australian Government

MEACOM0038 Manage aircraft and aeronautical product configuration

Release: 1

MEACOM0038 Manage aircraft and aeronautical product configuration

Modification History

Release 1 Application changed. Foundation Skills made explicit. Assessment Requirements clarified. Supersedes and is equivalent to MEA159 Manage aircraft and aeronautical product configuration.

Application

This unit 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 or 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 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 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. Maintain aircraft and aeronautical product configuration	1.1 Maintain aircraft and aeronautical product maintenance configuration in line with applicable maintenance 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

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	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

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

- Writing skills to document and report maintenance activities.
- Reading skills to research and interpret regulatory requirements, organisation policies and procedures.
- Numeracy skills to interpret data, specifications and drawings and to manage aircraft weight and balance.

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 MEA159 Manage aircraft and aeronautical product configuration.

Links

Companion Volume implementation guides are found in VETNet -

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