



**Australian Government**

# **MEA114 Certify aeronautical product maintenance**

**Release: 1**

# MEA114 Certify aeronautical product maintenance

## Modification History

Release 1 - New unit of competency

## Application

This unit of competency requires application of legislative and regulatory requirements relating to the certification of all aeronautical product maintenance tasks that require certification following completion of maintenance. It must be attained by individuals working in Civil Aviation Safety Regulation (CASR) Part 42 Subpart F and Part 145 maintenance organisations who are authorised to return items of aeronautical product to service after the completion of maintenance during scheduled or unscheduled maintenance. Work may be performed individually or as part of a team.

The units that are specified by the maintenance organisation for the repair, overhaul or modification of the item of aeronautical product being certified for return to service are also required in order to apply this standard.

## Pre-requisite Unit

## Competency Field

Aviation maintenance

## Unit Sector

## Elements and Performance Criteria

Elements describe the essential outcomes.

1. Comply with airworthiness regulations

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

- 1.1 The status of aircraft components and component parts is determined
- 1.2 Eligibility to certify the completion of maintenance activities is determined
- 1.3 Item of aeronautical product is released to service
- 1.4 Maintenance documentation required for certification is raised and compiled
- 1.5 Configuration management (CM) procedures are applied

- 1.6 Maintenance-related reports are compiled and processed
- 1.7 Technical communication activities, both oral and written, are performed

## Foundation Skills

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

## Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

### **Maintenance activities include:**

- Scheduled maintenance
- Unscheduled maintenance
- Configuration changes
- Modification incorporation
- Repairs

In performing each of the above activities, knowledge is to be applied with regard to airworthiness regulatory systems and Australian legislation, and the application of compliance requirements in the performance, recording and certification of 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 CM procedures
- compiling and processing service difficulty reports
- compiling and processing technical investigation

reports

- compiling and processing condition reports
- orally communicating on technical and airworthiness compliance topics
- communicating in writing on technical and airworthiness compliance issues

## **Unit Mapping Information**

Release 1 – equivalent to MEA114A Certify aeronautical product maintenance

## **Links**

Companion Volume implementation guides are found in VETNet -

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