



**Australian Government**

**MEA264 Remove and install aircraft  
electrical/avionic components during line  
maintenance**

**Release: 1**

# MEA264 Remove and install aircraft electrical/avionic components during line maintenance

## Modification History

Release 1 - New unit of competency

## Application

This unit of competency requires application of hand skills and the use of maintenance documentation/publications in the removal and installation from fixed and rotary wing aircraft of a limited range of aircraft electrical and avionic system components that are within the privileges of the Aircraft Maintenance Engineer A Licence during scheduled or unscheduled maintenance. Work may be performed individually or as part of a team.

It is one of the units required for the granting of the chosen Aircraft Maintenance Engineer A Licence under Civil Aviation Safety Regulation (CASR) Part 66, in accordance with the licensing provisions in the Companion Volume Implementation Guide.

## Pre-requisite Unit

MEA265 Remove and install general aircraft electrical hardware

## Competency Field

Aviation maintenance

## Unit Sector

## Elements and Performance Criteria

Elements describe the essential outcomes.

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

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|--|--|
| <p>1. Remove aircraft electrical system components</p> | <p>1.1 System is rendered safe and prepared in accordance with the applicable maintenance manual and isolation tags are fitted, where necessary, to ensure personnel safety</p> <p>1.2 Electrical component removal is carried out in accordance with the applicable maintenance manual while observing all relevant work health and safety (WHS) requirements</p> <p>1.3 Required maintenance documentation is completed and processed in accordance with standard enterprise</p> |
|--|--|

- procedures
- 1.4 Removed components are tagged and packaged in accordance with specified procedures
2. Remove avionic system components
- 2.1 System is rendered safe and prepared in accordance with the applicable maintenance manual and isolation tags are fitted, where necessary, to ensure personnel safety
- 2.2 Avionic component removal is carried out in accordance with the applicable maintenance manual while observing all relevant WHS requirements
- 2.3 Required maintenance documentation is completed and processed in accordance with standard enterprise procedures
- 2.4 Removed components are tagged and packaged in accordance with specified procedures
3. Install aircraft electrical system components
- 3.1 Electrical components to be installed are checked to confirm correct part numbers, modification status, serviceability and shelf life
- 3.2 Physical installation of electrical components is performed in accordance with the applicable maintenance manual ensuring appropriate adjustment/alignment with mechanical interface is carried out
- 3.3 System is reinstated to correct operational condition in preparation for testing, as necessary
- 3.4 Required maintenance documentation is completed and processed in accordance with standard enterprise procedures
4. Install avionic system components
- 4.1 Avionic components to be installed are checked to confirm correct part numbers, modification status, serviceability and shelf life
- 4.2 Physical installation of electrical components is performed in accordance with the applicable maintenance manual ensuring appropriate adjustment/alignment with mechanical interface is carried out
- 4.3 System is reinstated to correct operational condition in preparation for testing, as necessary
- 4.4 Required maintenance documentation is completed and processed in accordance with standard enterprise

procedures

## 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.

### Electrical components include:

- Ovens, boilers and beverage makers
- Aircraft internal and external lights, filaments and flash tubes
- Aircraft main and auxiliary power unit (APU) batteries
- Static wicks

### Avionic components include:

- Passenger entertainment system components but excluding public address

### Procedures and requirements include:

- Industry standard procedures specified by manufacturers, regulatory authorities or the enterprise

## Unit Mapping Information

Release 1 – equivalent to MEA264A Remove and install aircraft electrical/avionic components during line maintenance

## Links

Companion Volume implementation guides are found in VETNet -

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