



Australian Government

MEAAVI0002 Remove and install basic aircraft electrical system components

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 MEA202 Remove and install basic aircraft electrical system components.

Application

This unit describes the skills and knowledge required to apply hand skills and use maintenance documentation and publications to remove and install aircraft direct current (DC) electrical system components of fixed and rotary wing aircraft that have only DC electrical systems during scheduled or unscheduled maintenance. 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

MEA201 Remove and install miscellaneous aircraft electrical hardware/components

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. Remove DC aircraft electrical system components	1.1 Render system safe and prepare it in accordance with maintenance manual, fitting required isolation tags to ensure personnel safety 1.2 Remove electrical components in accordance with maintenance manual while observing all relevant work health and safety (WHS) requirements 1.3 Complete and process required maintenance documentation relating to removal in accordance with

Elements	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	standard enterprise procedures 1.4 Tag and pack removed components in accordance with specified procedures
2. Install DC aircraft electrical system components	2.1 Confirm correct part numbers, modification status, serviceability and shelf life of electrical components to be installed against maintenance manual 2.2 Perform physical installation including connection of electrical components in accordance with the applicable maintenance manual, and ensure appropriate adjustment or alignment with mechanical interface is carried out 2.3 Reinstall system to operational condition and prepare for required testing in accordance with maintenance manual 2.4 Complete and process required maintenance documentation relating to installation in accordance with standard 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 maintenance manuals.
- Writing skills to complete maintenance documentation.
- Numeracy skills to interpret technical information.

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 MEA202 Remove and install basic aircraft electrical system components.

Links

Companion Volume implementation guides are found in VETNet -

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