



Australian Government

MEALSU0009 Maintain seat and pod electrical and electronic systems

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 MEA510 Maintain seat and pod electrical and electronic systems.

Application

This unit describes the skills and knowledge required to apply hand skills to remove and install electrical and electronic system components while overhauling aircraft seats and pods and using basic electrical test equipment and in-flight entertainment system test sets to perform functional tests and confirm system serviceability. Work may be done during scheduled or unscheduled maintenance, and 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

MEA295 Use electrical test equipment to perform basic electrical tests on aircraft and 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 and inspect seat and pod electrical system components	<p>1.1 Render system safe and prepare it for work in accordance with maintenance manual to ensure personnel safety</p> <p>1.2 Remove electrical system components in accordance with maintenance manual while observing all relevant work health and safety (WHS) requirements, including the use of material safety data sheets (MSDSs) and items of personal protective equipment (PPE)</p>

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	<p>1.3 Inspect removed components for visible signs of damage or deterioration in accordance with maintenance manuals and standard enterprise procedures</p> <p>1.4 Complete and process required maintenance documentation in accordance with standard enterprise procedures</p> <p>1.5 Tag, pack or discard removed components in accordance with specified procedures</p>
2. Remove and inspect seat and pod electronic system components	<p>2.1 Render system safe and prepare it for work in accordance with maintenance manual to ensure personnel safety</p> <p>2.2 Remove electronic system components in accordance with maintenance manual while observing all relevant WHS requirements, including using MSDSs and items of PPE</p> <p>2.3 Inspect removed components for visible signs of damage or deterioration in accordance with maintenance manuals and standard enterprise procedures</p> <p>2.4 Complete and process required maintenance documentation in accordance with standard enterprise procedures</p> <p>2.5 Tag, pack or discard removed components in accordance with specified procedures</p>
3. Install seat and pod electrical system components	<p>3.1 Confirm correct part numbers, modification status, serviceability and shelf life of electrical system components to be installed against maintenance manual</p> <p>3.2 Perform physical installation of electrical components in accordance with maintenance manual</p> <p>3.3 Reinststate system to correct physical condition in preparation for required testing</p> <p>3.4 Complete and process required maintenance documentation in accordance with standard enterprise procedures</p>
4. Install seat and pod electronic system components	<p>4.1 Confirm correct part numbers, modification status, serviceability and shelf life of electronic system components against maintenance manual</p> <p>4.2 Perform physical installation of electronic components in accordance with the applicable maintenance manual</p> <p>4.3 Reinststate system to correct physical condition in preparation for required testing</p> <p>4.4 Complete and process required maintenance documentation in</p>

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	accordance with standard enterprise procedures
5. Functionally test seat and pod electrical and electronic systems	5.1 Connect system test set to seat or pod in accordance with maintenance manual or approved vendor procedures 5.2 Apply power to seat or pod in accordance with maintenance manual 5.3 Perform functional testing of seat or pod electrical system for correct operation in accordance with maintenance manual 5.4 Perform functional testing of seat or pod electronic system in accordance with the applicable maintenance manual 5.5 Remove test equipment and complete and process required maintenance documentation 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 MEA510 Maintain seat and pod electrical and electronic systems.

Links

Companion Volume implementation guides are found in VETNet -

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