



Australian Government

MEAMEC0057 Repair the structure of non-pressurised small aircraft

Release: 1

MEAMEC0057 Repair the structure of non-pressurised small aircraft

Modification History

Release 1. Application changed. 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 MEA370 Repair the structure of non-pressurised small aircraft.

Application

This unit describes the skills and knowledge required to apply procedures and techniques associated with the repair of non-pressurised small aircraft structure during scheduled or unscheduled maintenance. Work may be performed individually or as part of a team and involves the performance of a limited range of metal and composite repairs.

Where extensive repair involving the replacement of major structural components, such as wing spars and fuselage frames, is required the applicable unit is MEA371 Perform major repairs and modifications to small aircraft metal structure.

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

MEAMEC0056 Inspect and maintain structures and related components of non-pressurised small aircraft

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. Prepare to undertake repair	1.1 Assess extent of damage to assist in determining repair procedure 1.2 Identify appropriate repair scheme in accordance with structural repair manual or approved data 1.3 Obtain specialist (structures personnel) or supervisory advice in

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	establishing an approved repair scheme where a standard repair scheme cannot be identified, or damage is out of limits 1.4 Organise all materials and equipment required
2. Repair aircraft structure	2.1 Perform structural repairs in accordance with approved repair scheme ensuring that aircraft standard practices are used, and process requirements are carried out 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) 2.2 Employ preventative maintenance techniques to preserve the integrity of aircraft structure 2.3 Clean work area of all waste material or contaminants 2.4 Complete required maintenance documentation and process 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 documentation and procedures.
- Writing skills to complete maintenance documentation.
- Numeracy skills to interpret and communicate 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 MEA370 Repair the structure of non-pressurised small aircraft.

Links

Companion Volume implementation guides are found in VETNet -

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