



Australian Government

**Assessment Requirements for
MEASTR0004 Modify and repair aircraft
non-primary structural non-metallic
components**

Release: 1

Assessment Requirements for MEASTR0004 Modify and repair aircraft non-primary structural non-metallic components

Modification History

Release 1. Unit code and title changed. 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 MEA407 Repair/modify aircraft non-primary structural non-metallic components.

Performance Evidence

There must be evidence the candidate has completed all the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- repair or modify aircraft non-primary structural non-metallic components during scheduled or unscheduled maintenance on components, including interior trim panels (sidewalls, galleys, toilets, roof panels, floor panels), cargo lining, fairings and windows using applicable non-metallic materials such as fibreglass, sandwich honeycomb, nylon, Perspex, Nomex core materials, and matrix resins.
- identify various aircraft non-primary structural non-metallic components and their basic properties by interpretation of markings, numbering systems or visual, chemical or mechanical means to inform appropriate selection
- handle and store aircraft non-metallic components, including sealing agents, to industry standards
- identify aircraft assembly fasteners by interpretation of markings, numbering systems, size, shape and colour
- correctly interpret, with expert guidance and in accordance with enterprise procedures, non-primary structural non-metallic repair scheme/modification drawings and hand sketches
- use appropriate hand tools and machines under guidance of a qualified person to remove and assemble aircraft non-metallic components
- perform under guidance and in accordance with enterprise procedures at least two routine non-primary structural non-metallic repair techniques.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- construction principles and repair techniques at a basic level for aircraft non-metallic components
- how to obtain relevant material safety data sheets (MSDSs)
- the use of applicable items of personal protective equipment (PPE)

- work health and safety (WHS) procedures for modifying and repairing aircraft non-primary structural non-metallic components
- maintenance documentation for modifying and repairing aircraft non-primary structural non-metallic components.
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Assessment Conditions

The following conditions of assessment represent the requirements of the regulators Defence Aviation Safety Authority (DASA) and Civil Aviation Safety Authority (CASA) and maintenance stakeholders and must be rigorously observed.

Skills must have been demonstrated under supervisory guidance in the workplace or in a simulated environment that reflects workplace conditions and contingencies encountered in modifying or repairing non-primary structural sheet metal components. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - workplace procedures, manufacturing specifications, codes, standards, manuals, and reference materials relevant to modifying or repairing non-primary structural sheet metal components
 - tools and equipment specified in relevant aircraft maintenance manuals
 - general-purpose tools, ground support and test equipment found in most routine situations.

Evidence of tasks demonstrating competency must be recorded in a log of industrial experience and achievement.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet – -

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