



**Australian Government**

**Assessment Requirements for  
MEASTR0003 Modify and repair aircraft  
non-primary structural sheet metal  
components**

**Release: 1**

# Assessment Requirements for MEASTR0003 Modify and repair aircraft non-primary structural sheet metal 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 MEA406 Repair/modify aircraft non-primary structural sheet metal components.

## Performance Evidence

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

- repair or modify aircraft non-primary structural sheet metal components during scheduled or unscheduled maintenance under qualified-person guidance on each of the following tasks:
  - removing corrosion by chemical and mechanical methods
  - restoring protective coatings
  - freehand precision hole generation
  - removing and installing fastening devices
  - routine repairs to non-primary structural sheet metal components
- for the components being worked on:
  - identify various aircraft metals used for sheet metal components and their basic metallurgy properties by interpretation of markings, numbering systems or visual, chemical or mechanical means, to inform appropriate selection
  - handle and store aircraft metals used for sheet metal components, including sealing agents, to industry standards
  - identify aircraft sheet metal assembly fasteners (metal and non-metallic) by interpretation of markings, numbering systems, size, shape and colour
  - use appropriate hand tools and machines under supervision to remove and assemble aircraft sheet metal components
  - perform, under guidance and in accordance with enterprise procedures, at least two routine sheet metal repair techniques, including at least one metal scab patch repair
  - apply corrosion removal and treatment techniques during repair
  - restore sealing and surface finishes
  - apply safety precautions and quality requirements, standards and practices at all times, and as relevant to the system/s being repaired or modified.
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## Knowledge Evidence

Evidence required to demonstrate competency in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include a basic knowledge of:

- construction principles and repair techniques for non-primary sheet metal 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 sheet metal components
- maintenance documentation for modifying and repairing aircraft non-primary structural sheet metal components.
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## Assessment Conditions

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

Skills must have been demonstrated under routine supervision 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>