



Australian Government

**Assessment Requirements for
MEASTR0005 Maintain aircraft structure
and 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 MEA410 Maintain aircraft structure/components.

Performance Evidence

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

- maintain aircraft structures while doing each of the following tasks during scheduled or unscheduled or maintenance:
 - removing corrosion by chemical and mechanical methods
 - restoring protective coatings
 - applying sealants and jointing compounds
- identify various aircraft metals and their basic metallurgy properties by interpretation of markings, numbering systems or visual, chemical or mechanical means to inform appropriate selection
- apply structural corrosion removal/treatment techniques
- restore aircraft structure sealing and surface finishes
- apply safety precautions and quality requirements, standards, practices and processes associated with corrosion removal, for the aircraft structures being maintained.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- methods of corrosion removal in aircraft structural metals
- types of corrosion typically found in different areas of aircraft structure
- removal of corrosion damage in integral fuel tanks and sealing of faying surfaces, including specific work health and safety procedures (WHS) and personal protective equipment (PPE) requirements, including confined space entry requirements
- surface finishes and methods of restoration, including specific WHS and PPE requirements
- relevant maintenance and structural repair manuals specifying corrosion removal limits and methods
- relevant regulatory requirements and standard procedures.
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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 routine supervision in the workplace or in a simulated environment that reflects workplace conditions and contingencies encountered in maintaining aircraft structure 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 maintaining aircraft structure 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>