



Australian Government

MEASTR0001 Inspect aircraft structures

Release: 1

MEASTR0001 Inspect aircraft structures

Modification History

Release 1. Unit code 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 MEA401 Inspect aircraft structures.

Application

This unit describes the skills and knowledge required to apply hand skills and maintenance documentation and manuals to inspect aircraft structure and identify damage and deterioration during scheduled or unscheduled maintenance. Work may be performed 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

MEA107 Interpret and use aviation maintenance industry manuals and specifications

MEA154 Apply work health and safety practices in aviation maintenance

MEA155 Plan and organise aviation maintenance work activities

MEA156 Apply quality standards during aviation maintenance activities

MEA157 Complete aviation maintenance industry documentation

MEA158 Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance

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. Plan and prepare to inspect aircraft structure	1.1 Identify specific inspection requirements using maintenance documentation and modification status, including relevant defect reports 1.2 Prepare aircraft structure and access to allow for comprehensive inspection in accordance with maintenance documentation while

	observing all relevant work health and safety (WHS) requirements, including use of material safety data sheets (MSDSs) and items of personal protective equipment (PPE)
2. Assess and document aircraft structure maintenance requirements	2.1 Visually and physically check aircraft structure for signs of deformation, defects or damage in accordance with maintenance documentation and approved procedures while observing all relevant WHS requirements, including use of MSDSs and items of PPE 2.2 Assess damage or defects against damage or wear limits specified in structural repair manual, or other approved data, to determine if repair or replacement is required 2.3 Complete and process 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, inspection procedures and specifications (allowable limits).
- Writing skills to record and report on defects and faults and their causes.
- Numeracy skills to interpret and communicate technical information, take and interpret measurements and readings, and interpret data from test sets.

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 MEA401 Inspect aircraft structures.

Links

Companion Volume implementation guides are found in VETNet –

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