



Australian Government

Assessment Requirements for MEA344 Remove and install aircraft components

Release: 1

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Modification History

Release 1 - New unit of competency

Performance 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 under the specified conditions of assessment, and must include:

- applying relevant WHS practices, including the use of MSDS and PPE
- jacking of aircraft for landing gear component removal
- using hand skills and tools to perform component removal and installation tasks
- correctly installing and securing of aircraft hardware
- inspecting and correctly installing of bearings
- safe handling of heavy components
- using maintenance publications to prepare the aircraft for component removal and installation and correct interpretation of removal and installation instructions
- applying standard procedures.

The underlying skills inherent in this unit should be transferable into other units that require similar techniques. It is essential that system cleanliness requirements and safety precautions applicable to the system being maintained are fully observed, understood and complied with. This shall be demonstrated through application across a number of aircraft systems or aircraft types, but must cover a sufficient range of tasks to demonstrate familiarity with attachment methods, connection hardware and couplings peculiar to each type of system, and of safe handling of heavy components.

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 knowledge of:

- standard trade practices relating to tool usage and installation/securing of aircraft hardware
- how to locate and correctly remove and install components
- how to locate and correctly remove and install items of emergency equipment
- WHS procedures relating to component removal and installation and handling of heavy components
- How to obtain PPE
- How to obtain MSDS
- relevant maintenance publications
- relevant regulatory requirements and standard procedures.

Assessment Conditions

- Competency should be assessed in the work environment or simulated work environment using procedures, tools and equipment specified in maintenance documentation. It is also expected that applicable general-purpose tools, test and ground support equipment found in most routine situations would be used where appropriate.
- An understanding of system operation as it relates to the work must be demonstrated before undertaking any action. The work plan should take account of applicable safety and quality requirements in accordance with the industry and regulatory standards.
- The following conditions of assessment represent the requirements of CASA and maintenance stakeholders and must be rigorously observed.
- A person cannot be assessed as competent until it can be demonstrated to the satisfaction of the workplace assessor that the relevant elements and performance criteria of this unit of competency are being achieved under supervision without intervention on at least one (1) component from each of the following groups:
 - main and nose wheel assemblies
 - brake units
 - toilet system components (excluding gate valves)
 - windscreen wiper blades
 - passenger and crew seats, seat belts and harnesses
 - internal doors (excluding any doors that form part of the pressure hull)
 - trim panels, linings, cabin equipment and consoles
 - applicable emergency equipment, such as life jackets, rafts, location transmitters/beacons.
- This shall be established via the records in the Log of Industrial Experience and Achievement or, where appropriate, an equivalent Industry Evidence Guide (for details refer to the Companion Volume Assessment Guidelines).
- Assessors must satisfy the requirements of the National Vocational Education and Training Regulator (Australian Skills Quality Authority, or its successors).
- Where the unit is to be used for CASA licensing purposes the Assessor must also meet the criteria specified in the CASR Part 147 Manual of Standards.

Links

Companion Volume implementation guides are found in VETNet -

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