



Australian Government

**Assessment Requirements for
MEAMEC0072 Repair and overhaul
aircraft piston engine cylinder assembly
components**

Assessment Requirements for MEAMEC0072 Repair and overhaul aircraft piston engine cylinder assembly components

Modification History

Release 1. Application changed. Performance Criteria changed. Foundation Skills made explicit. Assessment Requirements clarified. Supersedes and is equivalent to MEA393 Repair and/or overhaul aircraft piston engine cylinder assembly 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 use relevant maintenance documentation, specifications and aircraft or component manuals to recognise state of serviceability and overhaul or repair requirements for the following piston engine cylinder assembly components:

- cylinder
- piston and piston rings
- piston pins
- valves, valve rockers, valve guides, tappets, pushrods and guard tubes
- manifold studs.
-

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- how to obtain relevant material safety data sheets (MSDSs)
- the use of applicable items of personal protective equipment (PPE) for repairing or overhauling aircraft piston engine cylinder assembly components
- non-destructive testing (NDT) methods and application
- piston engine cylinder assembly component repair and overhaul procedures and processes
- work health and safety (WHS) procedures for aircraft piston engine cylinder assembly component work
- component inspection and wear measurement procedures.
-

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 repairing and overhauling aircraft piston engine cylinder assembly 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 repairing and overhauling aircraft piston engine cylinder assembly components
 - tools and equipment specified in maintenance documentation
 - general-purpose tools 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>