



Australian Government

Assessment Requirements for MEAA VI0057 Repair and overhaul aircraft oxygen system

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 MEA287 Repair or overhaul aircraft oxygen system components.

Performance Evidence

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

- repair and overhaul aircraft oxygen system components during scheduled or unscheduled maintenance across the following groups:
- pressure vessels (testing and charging)
- regulators, control valves and indicators
- chemical oxygen generators
- product hygiene
- recognise the serviceability state and repair or overhaul requirements for:
- oxygen pressure cylinders
- valves
- gauges
- chemical generators
- regulators
- masks
- pipes, hoses and fittings
- liquid dry breathing oxygen (LDBO) converters
- perform functional testing by applying logic processes, and using test equipment and appropriate wiring diagrams and manuals to isolate component faults and assess post-repair or overhaul serviceability
- correctly disassemble, inspected component parts, repaired, replaced or modified component parts and assembling oxygen components
- apply product hygiene procedures.

Evidence of transferability of skills and knowledge related to repair is essential. This may be demonstrated through application across a representative range of oxygen components.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- component and system operation
- the basic function and operation of oxygen components to enable testing for fault isolation or confirmation, to determine repair or overhaul requirements, and serviceability status post-repair or overhaul
- basic principles and functions relating to oxygen components and associated with:
 - pressure sensitive devices (bellows and controllers)
 - vacuum system generation
- atmosphere and its properties
- work health and safety (WHS) requirements for repairing or overhauling aircraft oxygen system components
- maintenance publications for repairing or overhauling aircraft oxygen system components.

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 repairing or overhauling aircraft oxygen system components. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - required workplace procedures, manufacturing specifications, codes, standards, manuals, and reference materials relevant to repairing or overhauling aircraft oxygen system components
 - tools and equipment specified in maintenance manuals
 - general and special-purpose tools and test equipment.

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>