



Australian Government

MEA209 Remove and install aircraft oxygen system components

Release: 2

MEA209 Remove and install aircraft oxygen system components

Modification History

Release 2. Equivalent to MEA209 Remove and install aircraft oxygen system components with amended prerequisite codes.

Application

This unit of competency requires application of hand skills and the use of maintenance documentation/publications in the removal and installation of aircraft oxygen system components of fixed or rotary wing aircraft that have oxygen systems, during scheduled or unscheduled maintenance. Work may be performed individually or as part of a team.

The unit is part of the Avionic Certificate IV (Aircraft Maintenance Stream) training pathway and is also part of the Mechanical Aircraft Maintenance Engineer licensing pathway.

The unit is used in workplaces that operate under the airworthiness regulatory systems of the Australian Defence Force (ADF) and the Civil Aviation safety Authority (CASA).

Where a CASA licensing outcome is sought this unit forms part of the CASA requirement for the granting of the chosen maintenance certification licence under Civil Aviation Safety Regulation (CASR) Part 66, in accordance with the licensing provisions in the Companion Volume Implementation Guide.

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

Unit Sector

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

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| 1. Remove oxygen system components | 1.1 Oxygen system is rendered safe and prepared in accordance with the applicable maintenance manual and isolation tags are fitted, where necessary, to ensure personnel safety |
| | 1.2 Removal of oxygen system components is carried out in accordance with the applicable maintenance manual while observing all relevant work health and safety (WHS) requirements |
| | 1.3 Required maintenance documentation is completed and processed in accordance with standard enterprise procedures |
| | 1.4 Removed components are tagged, packaged or discarded in accordance with specified procedures |
| 2. Install aircraft oxygen system components | 2.1 Oxygen system components to be installed are checked to confirm correct part numbers, modification status, serviceability and shelf life |
| | 2.2 Oxygen system components to be installed are free from contamination and inspected for damaged flair ends and fittings |
| | 2.3 Component installation is physically carried out in accordance with the applicable maintenance manual while observing all relevant WHS requirements |
| | 2.4 System is reinstated to correct physical condition in preparation for testing, as necessary |
| | 2.5 Required maintenance documentation is completed and processed in accordance with standard enterprise procedures |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

- Oxygen system components include:**
- Oxygen pressure cylinders, valves and gauges
 - Regulators, masks (including other integrated systems), pipes, hoses and fittings
 - Chemical generators (where applicable to the enterprise)
 - Liquid dry breathing oxygen (LDBO) converters (where applicable to the enterprise)
- Procedures and requirements include:**
- Industry standard procedures specified by manufacturers, regulatory authorities or the enterprise

Unit Mapping Information

Release 2. Equivalent to MEA209 Remove and install aircraft oxygen system components

Links

Companion Volume implementation guides are found in VETNet -

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