



Australian Government

**MEA345 Perform scheduled line
maintenance activities on gas turbine engine
fixed wing aircraft**

Release: 2

MEA345 Perform scheduled line maintenance activities on gas turbine engine fixed wing aircraft

Modification History

Release 2. Equivalent to MEA345 Perform scheduled line maintenance activities on gas turbine engine fixed wing aircraft with amended prerequisite codes.

Application

This unit of competency requires application of hand skills and standard trade practices in the performance of scheduled servicing up to the Weekly Check or equivalent, pre and post-flight servicing activities and the application of aircraft ground handling procedures on gas turbine engine fixed wing aircraft.

The unit is one of those required for the granting of the chosen maintenance certification A1 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 Performance criteria describe the performance needed to

essential outcomes.	demonstrate achievement of the element.
1. Prepare for flight	1.1 Aircraft is positioned as required 1.2 Ground locks, aircraft support and safety devices and covers are removed and stowed in accordance with maintenance documentation 1.3 Aircraft tie-down devices are removed and stowed/stored
2. Inspect aircraft and systems	2.1 Preparation of the aircraft and systems is appropriate to allow for proper inspection 2.2 Aircraft and systems are visually or physically checked for external signs of defects in accordance with applicable maintenance documentation while observing all relevant work health and safety (WHS) requirements, including the use of material safety data sheets (MSDS) and items of personal protective equipment (PPE)
3. Replenish aircraft systems	3.1 Fluid level checks and replenishments are carried out in accordance with maintenance documentation requirements 3.2 Maintenance of gaseous levels (oxygen, nitrogen and compressed air) is carried out in accordance with maintenance documentation requirements while observing all relevant WHS requirements, including the use of MSDS and items of PPE 3.3 Role equipment/components requiring pre-flight replacement are changed as required by maintenance documentation 3.4 Required maintenance documentation is completed and processed in accordance with standard enterprise procedures
4. Perform scheduled line maintenance checks	4.1 Inspection requirements are determined from maintenance documentation 4.2 Aircraft structure and systems are visually inspected for external signs of defects in accordance with applicable maintenance documentation while observing all relevant WHS requirements, including the use of MSDS and items of PPE

- 4.3 Defects are recorded and reported 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.

Maintenance activities include, as applicable to the enterprise operating and maintenance system:

- Preparation for flight following maintenance
- Before flight servicing
- After flight servicing
- Turn around servicing
- Scheduled line maintenance activities up to the level of a Weekly Check or specified equivalent

Maintenance documentation includes:

- Maintenance manuals
- Servicing schedules
- Applicable airworthiness regulations
- Aircraft maintenance program

Procedures and requirements include:

- Industry standard procedures specified by manufacturers, regulatory authorities or the enterprise

Unit Mapping Information

Release 2. Equivalent to MEA345 Perform scheduled line maintenance activities on gas turbine engine fixed wing aircraft

Links

Companion Volume implementation guides are found in VETNet -

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