



Australian Government

MEA101 Interpret work health and safety practices in aviation maintenance

Release: 1

MEA101 Interpret work health and safety practices in aviation maintenance

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers the skills and knowledge required to comply with work health and safety (WHS) regulations and work safely in aircraft maintenance areas. It requires application of WHS practices relevant to aviation maintenance workplaces in order to ensure own safety and that of others in the workplace.

Workplaces include the flight line or tarmac, hangars and workshops. Maintenance activities include all scheduled and unscheduled maintenance on fixed or rotary wing aircraft and on the components thereof. Work may be performed individually or as part of a team.

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

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. | Interpret safe work practices | 1.1 | Relevant regulatory and enterprise policies and procedures that identify the requirements for conduct of safe work are interpreted and understood |
| | | 1.2 | Workplace housekeeping measures are identified in accordance with standard enterprise procedures |
| | | 1.3 | Use of personal protective equipment (PPE) is identified and understood and maintenance measures are interpreted and understood according to regulatory and enterprise procedures |
| | | 1.4 | Safety signs and symbols are interpreted and understood, and their directions observed in accordance with enterprise and safety requirements |
| 2. | Interpret reporting procedures for workplace hazards | 2.1 | Workplace hazards are correctly identified and reporting procedures interpreted and understood according to standard enterprise procedures |
| 3. | Interpret emergency procedures | 3.1 | Method of contacting the appropriate personnel and emergency services in the event of an accident is appropriate to enterprise requirements |
| | | 3.2 | Emergency and evacuation procedures are interpreted and understood to ensure safe conduct of personnel according to enterprise procedures |
| | | 3.3 | Use of emergency equipment is correctly identified to comply with regulatory or 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.

Requirements for conduct of safe work include:

- Applying general duty of care under WHS legislation and common law
- Fluid and gas high and low pressure systems, including fluid handling (for example, hydraulic fluids, lubricants, compressed air, nitrogen and oxygen)
- Fuelling/defuelling and working on fuel systems
- Using and handling chemicals, including solvents and battery acids
- Electrical systems, outlets and leads
- Noise hazard areas and aircraft safety zones
- Aircraft handling, towing, jacking, ground equipment operation and signage
- Personal protection
- Housekeeping and cleaning, waste disposal and foreign object damage (FOD) prevention practices and procedures
- Confined space entry (where applicable to the enterprise)
- Aircraft strobe lighting (where applicable to the enterprise)
- Ionising and non-ionising radiation equipment (where applicable to the enterprise)
- Commonwealth, State and Territory WHS Acts, regulations and codes of practice, including regulations and codes of practice relating to hazards present in the workplace or industry
- Organisational safety manuals that specify provisions relating to roles and responsibilities of health and safety representatives and/or WHS committees and provisions relating to WHS issue resolution
- Maintenance organisation manuals
- Procedures manuals
- Work instructions
- Relevant Defence instructions
- Civil Aviation Safety Regulations (CASRs)
- Material safety data sheets (MSDS)
- Safety manuals
- Procedures manuals

Relevant regulatory and enterprise policies and procedures are found in:

Personal protective equipment (PPE) requirements are found in:

**Workplace hazard
identification includes:**

- Maintenance manuals
- Work instructions
- Relevant Defence instructions
- Checking equipment or the work area before work commences and during work
- Workplace inspections
- Housekeeping

Unit Mapping Information

Release 1 – supersedes and is equivalent to MEA101B Interpret occupational health and safety practices in aviation maintenance

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=ce216c9c-04d5-4b3b-9bcf-4e81d0950371>