



Australian Government

AVIW3021 Coordinate aircraft ground operations

Release: 1

AVIW3021 Coordinate aircraft ground operations

Modification History

Release 1. This is the first release of this unit of competency in the AVI Aviation Training Package.

Application

This unit involves the skills and knowledge required to coordinate aircraft ground operations, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes regulating aircraft engine ground running, controlling aircraft parking, providing escort services to aircraft, providing ground security to aircraft, and monitoring aircraft refuelling.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to equipment and system operations of ground operations personnel, and contributes to safe and effective performance in complex aviation operational environments.

Operations are conducted as part of recreational, commercial and military aircraft activities across a variety of operational contexts within the Australian aviation industry.

Work is performed independently or under limited supervision as a single operator or within a team environment.

Licensing, legislative, regulatory or certification requirements are applicable to this unit.

Use for Defence Aviation is to be in accordance with relevant Defence Orders, Instructions, Publications and Regulations.

Pre-requisite Unit

Not applicable.

Competency Field

W – Equipment and Systems Operations

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

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

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| 1 Regulate aircraft engine ground running | 1.1 Appropriate ground engine running locations are selected |
| | 1.2 Engine ground running is checked in relation to time, duration and level |
| | 1.3 Ground running activities are reported |
| 2 Control aircraft parking | 2.1 Compliance with aircraft parking restrictions is checked |
| | 2.2 Hazards are identified, risks are assessed and hazard management is implemented |
| | 2.3 Aircraft push-backs are monitored |
| | 2.4 Marshalling services are provided as required |
| | 2.5 Parking breaches are logged and reported, and appropriate action is taken |
| 3 Provide escort services to aircraft | 3.1 Need for escort services is appropriately assessed |
| | 3.2 Appropriate communications are established and maintained |
| | 3.3 Appropriate safe movement routes are taken |
| 4 Provide ground security to aircraft | 4.1 Parked aircraft are routinely observed |
| | 4.2 Suspicious or unusual activity in the vicinity of parked aircraft is investigated, logged and reported |
| 5 Monitor aircraft refuelling | 5.1 Use of correct procedures and standards in refuelling activities is monitored |
| | 5.2 Correct disposal of fuel samples is ensured |
| | 5.3 Breaches are logged and reported |

Foundation Skills

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

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Unit Mapping Information

This unit replaces and is equivalent to AVIW3021A Coordinate aircraft ground operations.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=4725260a-0af3-4daf-912b-ef1c2f3e5816>

Assessment Requirements for AVIW3021 Coordinate aircraft ground operations

Modification History

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least one occasion and include:

- adapting to differences in equipment and operating environment in accordance with standard operating procedures
- applying precautions and required action to minimise, control or eliminate identified hazards
- communicating effectively with others
- completing relevant documentation
- identifying and correctly using relevant equipment
- implementing contingency plans
- implementing work health and safety (WHS)/occupational health and safety (OHS) procedures and relevant regulations
- interpreting and following operational instructions and prioritising work
- managing and controlling hazardous situations when carrying out work activities
- modifying activities depending on workplace contingencies, situations and environments
- monitoring and anticipating operational problems and hazards and taking appropriate action
- operating electronic communications equipment to required protocol
- reading, interpreting and following relevant regulations, instructions, procedures, information and signs
- reporting and/or rectifying identified problems promptly, in accordance with regulatory requirements and workplace procedures
- working collaboratively with others
- working systematically with required attention to detail without injury to self, others, or damage to goods or equipment.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- communications equipment checks
- emergency procedures
- physical characteristics of aircraft
- procedures for operating electronic communications equipment
- purpose and application of unserviceability markers
- relevant sections of Civil Aviation Safety Regulations (CASRs) and Civil Aviation Orders and other regulations for ground operations
- relevant sections of national and state/territory regulatory requirements and codes of practice
- relevant WHS/OHS and environmental procedures and regulations
- requirements for completing relevant documentation
- standard operating procedures for coordinating aircraft ground operations.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the *Standards for Registered Training Organisations* current at the time of assessment.

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Assessment must occur in workplace operational situations. Where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or simulations
- acceptable means of simulation assessment
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals
- relevant materials, tools, equipment and personal protective equipment currently used in industry.

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