



Australian Government

AVIW0017 Operate aircraft embarkation and disembarkation equipment

Release: 1

AVIW0017 Operate aircraft embarkation and disembarkation equipment

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 operate aircraft embarkation and disembarkation equipment in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes conducting pre-operational checks, operating embarkation and disembarkation equipment, and retracting and storing embarkation and disembarkation equipment.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to equipment and system operations of flight or 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.

Pre-requisite Unit

Not applicable.

Competency Field

W – Equipment and Systems Operations

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

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

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| 1 Conduct pre-operational checks | 1.1 Personal protective equipment (PPE) is selected and used in accordance with workplace procedures |
| | 1.2 Pre-operational checks of embarkation/disembarkation equipment are conducted in accordance with workplace procedures and manufacturer instructions |
| | 1.3 Fluid levels are topped up as required in accordance with workplace procedures |
| | 1.4 Equipment faults and malfunctions identified during pre-operational checks are rectified or reported in accordance with workplace procedures and regulatory requirements |
| 2 Operate embarkation and disembarkation equipment | 2.1 Embarkation and disembarkation equipment is pre-positioned to assigned location in preparation for aircraft arrival in accordance with workplace procedures |
| | 2.2 Embarkation and disembarkation equipment is manoeuvred to aircraft and positioned against fuselage in preparation for passenger embarkation/disembarkation in accordance with workplace procedures |
| | 2.3 Embarkation and disembarkation equipment is operated in accordance with workplace procedures and manufacturer instructions |
| | 2.4 Hazards associated with operating embarkation and disembarkation equipment are identified and appropriate precautions are taken in accordance with work health and safety (WHS)/occupational health and safety (OHS) regulations and workplace hazard management strategies |
| 3 Retract and store embarkation and disembarkation equipment | 3.1 Equipment is withdrawn from aircraft and manoeuvred to assigned storage bay/area at completion of loading activities in accordance with workplace procedures and local instructions |
| | 3.2 Post-operational checks of equipment are conducted in accordance with workplace procedures and manufacturer instructions |
| | 3.3 Equipment faults and malfunctions identified during |

post-operational checks are rectified or reported in accordance with workplace procedures and regulatory requirements

- 3.4 Embarkation/disembarkation equipment is refuelled and fluid levels are topped up in accordance with workplace procedures, relevant regulatory requirements and manufacturer instructions
- 3.5 Equipment log or operational documentation is completed in accordance with workplace procedures, local instructions and regulatory requirements

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 AVIW3003 Operate aircraft embarkation and disembarkation equipment.

Links

AVI Training Package Companion Volume Implementation Guide available on VET Net: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=4725260a-0af3-4daf-912b-ef1c2f3e5816>

Assessment Requirements for AVIW0017 Operate aircraft embarkation and disembarkation equipment

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, performance criteria and range of conditions on at least one occasion and include:

- adapting to differences in equipment and operating environment in accordance with standard operating procedures (SOPs)
- applying precautions and required action to minimise, control or eliminate identified hazards
- applying relevant legislation and workplace procedures
- communicating effectively with others
- completing relevant documentation
- conducting pre- and post-operational checks, including:
 - battery charge
 - fluid levels
 - fuel level
 - visual inspection for faults or defects
- identifying and correctly using equipment required when operating aircraft embarkation and disembarkation equipment
- implementing contingency plans
- implementing work health and safety (WHS) procedures and relevant regulations
- interpreting and following operational instructions and prioritising work
- modifying activities depending on workplace contingencies, situations and environments
- monitoring and anticipating operational problems and hazards and taking appropriate action
- monitoring work activities in terms of planned schedule
- 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
- selecting and using required personal protective equipment (PPE) conforming to industry and WHS standards, including:
 - hearing protection
 - protective clothing

- safety footwear
- safety gloves
- working collaboratively with others
- working systematically with required attention to detail without injury to self or 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, performance criteria and range of conditions and include knowledge of:

- emergency procedures
- features and differences in operating requirements for various types of embarkation/disembarkation equipment in operation at Australian airports
- hazards and associated risks that may exist when operating embarkation/disembarkation equipment and related risk control procedures and precautions
- layout of airport and location of aircraft gates
- manufacturer instructions for checking and operating embarkation/disembarkation equipment
- people to consult about operating embarkation/disembarkation equipment, including:
 - aircrew
 - check-in staff
 - ground support staff
 - load controllers
 - other members of the baggage handling and ramp teams
 - supervisors, team leaders and managers
 - technical staff
- principles of operation of embarkation/disembarkation equipment
- problems that may occur when operating embarkation/disembarkation equipment and appropriate action that should be taken in each case
- relevant Australian Standards
- relevant information/documents, including:
 - conditions of service, legislation and industrial agreements, including workplace agreements and awards
 - equipment log/operational record
 - embarkation/disembarkation equipment operational checklists
 - flight schedules
 - induction and training materials
 - licence requirements of the relevant licensing authority
 - manufacturer specifications and instructions for embarkation/disembarkation equipment being operated
 - pre- and post-operational checklists

- workplace instructions and job specification
- relevant legislation and regulations
- relevant local instructions for operating embarkation/disembarkation equipment
- relevant sections of Civil Aviation Safety Regulations and Civil Aviation Orders related to ground operations
- relevant WHS and environmental procedures and regulations
- workplace procedures for operating embarkation/disembarkation equipment.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

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 PPE currently used in industry
- embarkation/disembarkation equipment, including:
 - manually operated mobile stairs
 - motorised mobile stairs
 - other types of embarkation and disembarkation equipment.

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