



Australian Government

AVIW5022 Coordinate the removal of disabled aircraft

Release: 1

AVIW5022 Coordinate the removal of disabled aircraft

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 the removal of disabled aircraft, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes coordinating aircraft recovery resources, maintaining operational facilities, and documenting and recording the removal process.

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

PERFORMANCE CRITERIA

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1 Coordinate aircraft recovery resources	1.1 Appropriate clearances are obtained prior to removal process 1.2 Established removal procedures are followed 1.3 Removal activities are coordinated with aircraft owner and relevant regulatory bodies 1.4 Need for recovery equipment is determined and its source is identified 1.5 Aircraft escort services on airside are provided as required 1.6 Obstacle restriction areas are avoided or made safe in accordance with workplace policy and procedures 1.7 Signs and notices are complied with 1.8 Hazards are identified, risks are assessed and hazard management is implemented 1.9 Airport organisations and others likely to be affected by the removal are notified 1.10 Appropriate aircraft recovery location is identified and route to that location is established
2 Maintain operational facilities	2.1 Serviceability inspections are conducted to determine areas that may be restored to operational service 2.2 Infringement of obstacle limitation surfaces (OLS) and any changes to declared distances are determined 2.3 Visual aids are provided, installed and removed at completion of aircraft recovery 2.4 Emergency response procedures are implemented as required 2.5 Notice to Airmen (NOTAM) action is initiated and cancelled as required to support aircraft recovery
3 Document and record removal process	3.1 Records of meetings are taken as required 3.2 Visual recording of removal process is conducted where access allows 3.3 Appropriate logbook entries are made

3.4 Incident or aircraft recovery reports are prepared and processed

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.

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|---|--|
| Obstacle restriction areas must include one or more of the following: | <ul style="list-style-type: none">• clearways• runway end safety areas• runway strips• taxiway strips |
| Visual aids must include one or more of the following: | <ul style="list-style-type: none">• aerodrome lighting• markers and markings• signal circles• wind indicator |
| Signs and notices must include one or more of the following: | <ul style="list-style-type: none">• authorised entry• hazard warnings• limited access• movement area guidance signs• no smoking• speed restrictions• underground electrical reticulation |
| Hazards must include one or more of the following: | <ul style="list-style-type: none">• bird or animal activity• changes or loss of runway surface frictional characteristics• disabled aircraft, vehicles and equipment and associated debris• excessive loose materials• flooding• fuel and oil spills• loss of runway shape• loss of visibility of markings• potholes or cracks• runway edge fretting• stripping• unsatisfactory pavement bearing capacity |

- Serviceability inspections must include:
- displaced threshold markers
 - dumb bell markers
 - glider markers
 - signal circle markers
 - unserviceability cones
 - unserviceability cross markers
 - unserviceability lighting
- Emergency response procedures must include one or more of the following:
- implementing aerodrome emergency procedures
 - reporting to the Australian Transport Safety Bureau
 - reporting to local police service

Unit Mapping Information

This unit replaces and is equivalent to AVIW5022A Coordinate the removal of disabled aircraft

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 AVIW5022 Coordinate the removal of disabled aircraft

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:

- applying precautions and required action to minimise, control or eliminate identified hazards
- applying relevant legislation and workplace procedures
- calculating declared distances defined by regulation
- communicating effectively with others
- completing relevant documentation
- conducting serviceability inspections of aerodrome and obstacle limitation surfaces
- 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
- 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 problems, faults or malfunctions promptly, in accordance with workplace procedures
- responding appropriately to cultural differences in the workplace
- selecting and using required personal protective clothing and equipment conforming to industry and WHS/OHS standards
- 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, performance criteria and range of conditions and include knowledge of:

- aerodrome serviceability standards
- communications equipment checks
- declared distances for aircraft operations
- declared WHS/OHS and environmental procedures and regulations
- emergency procedures
- obstacle limitation surfaces applicable to that aerodrome
- procedures for making movement and obstacle restriction areas safe:
 - closing movement area (aerodrome closure)
 - contacting aerodrome users
 - extinguishing lighting in hazardous section of movement area
 - marking unserviceable area by day or night
 - partial closure of movement area
 - reporting aerodrome closures, lighting and obstacle limitations/restrictions by Notice to Airmen (NOTAM)
- procedures for managing and controlling hazardous situations when carrying out work activities
- procedures for operating electronic communications equipment
- procedures for facilitation of disabled aircraft removal:
 - coordination of the removal of the disabled aircraft including returning the aerodrome to operational serviceability notification of aircraft owner
 - notification of regulatory authorities
- relevant authorities for access and reporting purposes:
 - aerodrome operator or delegated person
 - aerodrome users aircraft owner
 - air traffic control (ATC)
 - Australian Defence Forces Command for military bases
 - Australian Transport Safety Bureau (ATSB)
 - Civil Aviation Safety Authority (CASA)
 - Department of Transport and Regional Services (DOTARS)
 - NOTAM Office (Airservices Australia)
 - state/territory and federal police
- relevant information/documents:
 - aerodrome manuals
 - airline timetables
 - En Route Supplement Australia (ERSA)
 - induction and training manuals

- Manual of Standards – Aerodromes (Part 139)
- workplace operating procedures manual
- relevant requirements, standards and recommended practices of the International Civil Aviation Organisation (ICAO) for airport reporting
- relevant sections of Civil Aviation Safety Regulations (CASRs) and Civil Aviation Orders for inspecting aerodromes
- relevant sections of national and state or territory licensing and regulatory requirements
- requirements for completing relevant documentation
- standard operating procedures (SOPs) for removing disabled aircraft
- steps involved in planning work activities
- types and uses of visual aids
- types of removal equipment available
- typical defects that can occur and related action that should be taken
- visual inspection procedures.

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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