



Australian Government

AVIW0008 Conduct aerial search using remote piloted aircraft

Release: 1

AVIW0008 Conduct aerial search using remote piloted 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 conduct aerial search using remote piloted aircraft systems (RPAS) in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority and national operating standards.

This unit addresses aviation technical skill requirements (physical, mental and task management abilities) related to air traffic control (ATC) duties that complement the non-technical skills of air traffic controllers and contributes to safe and effective performance in complex aviation operational environments.

Operations are conducted as part of commercial and military air traffic services 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

F – Safety Management

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.

- | | |
|-----------------------------------|---|
| 1 Prepare for search | 1.1 Search information is gained from search leader |
| | 1.2 Routes to and from the search area are determined |
| | 1.3 Search patterns are confirmed and search zones are entered accurately in unmanned aircraft systems |
| | 1.4 Scanning and camera equipment are checked for faults and addressed before search operation |
| 2 Conduct search operation | 2.1 Search times are monitored and actioned |
| | 2.2 Appropriate search phase is amended when required |
| | 2.3 Search information is coordinated and/or relayed to appropriate personnel |
| | 2.4 Search areas are systematically scanned and updates communicated to relevant personnel |
| | 2.5 Critical search objective information is communicated efficiently to search team |
| 3 Review search operation | 3.1 Search operation is de-briefed with relevant personnel |
| | 3.2 Search information is reviewed with search team |
| | 3.3 Relevant documentation is completed and provided to relevant personnel |

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

No equivalent unit.

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 AVIW0008 Conduct aerial search using remote piloted aircraft

Modification History

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

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:

- communicating clearly and concisely to relevant stakeholders using standard and non-standard phrases
- communicating effectively when providing search and rescue (SAR) alerting and emergency response
- comprehending incoming information and responding effectively
- monitoring and anticipating operational problems and hazards and taking appropriate action
- monitoring critical search event times
- operating equipment in accordance with standard operating procedures (SOPs)
- regulating own workload in abnormal or emergency situations
- responding and updating checklists
- responding to search alerting
- responding to stressful situations with a considered and measured approach
- using emergency messages, phrases and signals
- working systematically with required attention to detail.

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:

- documentation for providing SAR alerting and emergency response, including recording emergency and/or abnormal flight related information
- search patterns
- in-flight emergency response (IFER) documentation
- IFER management process
- jurisdictions related to SAR for different aircraft operations
- relevant and environmental procedures and regulations
- SAR time (SARTIME) criteria and emergency phase declaration
- SAR watch (SARWATCH) criteria and emergency phase declaration
- SAR organisations and authorities

- types of in-flight emergencies
- use of checklists and other documentation.

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 and appropriate materials, tools, equipment and personal protective equipment (PPE) currently used in industry.

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>