



Australian Government

AVIY0092 Conduct airborne extraction operations

Release: 1

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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 airborne extraction operations in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes preparing helicopter and personnel for airborne extraction, performing airborne extraction operations, and responding to airborne extraction emergencies and abnormal situations.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to aircraft operational duties of flight crew and contributes to safe and effective performance in complex aviation operational environments.

Operations are conducted across a variety of operational contexts within the Australian aviation industry.

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

Pre-requisite Unit

Not applicable.

Competency Field

Y – Aircraft Operation and Traffic 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 helicopter and personnel for airborne extraction

- 1.1** Helicopter and airborne extraction equipment are checked to determine serviceability in accordance with workplace procedures
- 1.2** Extraction zone characteristics and dimensions are determined and calculated
- 1.3** Extraction personnel characteristics are considered in scope of mission planning
- 1.4** Crew is briefed about mission in accordance with workplace procedures
- 1.5** Airborne extraction supervisor is briefed
- 1.6** Static ground rehearsals are conducted with personnel and equipment

2 Prepare for airborne extraction

- 2.1** Extraction equipment is attached and checked for security in accordance with workplace procedures
- 2.2** Helicopter safety hazards are communicated in accordance with workplace procedures
- 2.3** Extraction checks are conducted prior to extraction equipment deployment
- 2.4** Wind speed and direction are communicated to relevant personnel
- 2.5** Approach and overshoot paths are communicated to relevant personnel

3 Perform airborne extraction operations

- 3.1** Helicopter is manoeuvred to extraction point
- 3.2** Extraction equipment is deployed in accordance with workplace procedures
- 3.3** Personnel are supervised and directed to attach to extraction equipment in accordance with workplace procedures
- 3.4** Situational awareness of extraction position and aircraft flight performance is maintained
- 3.5** Progress of extraction operation is communicated to relevant personnel

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| | 3.6 | Personnel are directed to detach from extraction equipment |
| | 3.7 | Personnel are supervised and directed to restrain within the aircraft in accordance with workplace procedures |
| | 3.8 | Record relevant pre- and post-task documentation in accordance with workplace procedures |
| 4 Respond to airborne extraction emergencies and abnormal situations | 4.1 | Airborne extraction emergencies and abnormal situations are identified, diagnosed and communicated |
| | 4.2 | Airborne extraction emergency or remedial actions are undertaken to maintain safety of flight and 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.

Non-essential conditions may be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to AVIY0067 Conduct airborne extraction operations.

Links

Companion Volume Implementation Guides are found in VETNet' -

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