



Australian Government

AVIY0094 Conduct external load-lift 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 external load-lift operations from a helicopter in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes preparing for load-lifting operations, performing load-lifting operations, concluding load-lifting operations, and responding to external load operational 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.

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| 1 Prepare for load-lifting operations | 1.1 External load characteristics and dimensions are determined and calculated in accordance with workplace procedures |
| | 1.2 Aerial delivery equipment is prepared and checked as required in accordance with equipment manuals and publications |
| | 1.3 Helicopter cargo hook system is prepared and checked for correct operation |
| | 1.4 Aircraft safety hazards are identified in accordance with workplace procedures |
| | 1.5 Aircraft power availability is considered |
| | 1.6 Wind speed and direction are considered |
| | 1.7 Approach and overshoot paths are considered |
| | 1.8 Load-lifting location and surrounds are checked for suitability |
| | 1.9 External load-lifting plan is considered and discussed with other crew members |
| 2 Perform load-lifting operations | 2.1 Helicopter is manoeuvred or directed to external load-lifting point |
| | 2.2 External load is connected in accordance with workplace procedures |
| | 2.3 Situational awareness of inflight load stability and aircraft flight performance is maintained |
| | 2.4 External load is released at nominated delivery point |
| 3 Conclude load-lifting operations | 3.1 Aerial delivery equipment is recovered and checked for serviceability, as required |
| | 3.2 Aircraft external load hook equipment and control systems are secured and checked for serviceability |
| 4 Respond to external load operational emergencies and abnormal situations | 4.1 External load operational emergencies are identified, diagnosed and communicated |
| | 4.2 External load operational emergency or remedial actions are undertaken to maintain safety of flight |

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 AVIY0065 Conduct external load-lift operations.

Links

Companion Volume Implementation Guides are found in VETNet' -

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