



Australian Government

AVIY0093 Conduct airborne rappelling 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 rappelling 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 rappelling operations, preparing for and performing airborne rappelling operations, and responding to airborne rappelling 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 rappelling operations**
 - 1.1** Helicopter and airborne rappelling attachment device are pre-flight checked to determine serviceability in accordance with workplace procedures
 - 1.2** Airborne rappelling location and surrounds are assessed for suitability
 - 1.3** Rappelling personnel characteristics and operational variations are considered in scope of mission planning
 - 1.4** Crew is briefed during mission brief in accordance with workplace procedures
 - 1.5** Airborne rappelling supervisor is briefed by pilots
 - 1.6** Static ground rehearsals are conducted with relevant personnel and equipment
 - 1.7** Fitness of rappelling personnel to complete task is confirmed in accordance with workplace procedures
- 2 Prepare for airborne rappelling operations**
 - 2.1** Ropes are attached to airborne rappelling attachment device and are checked for security
 - 2.2** Rappellers are restrained in aircraft prior to take-off in accordance with workplace procedures
 - 2.3** Fitting of rappeller personnel protective equipment is checked in accordance with workplace procedures
 - 2.4** Deployment checks are conducted prior to rope deployment in accordance with workplace procedures
 - 2.5** Helicopter safety hazards are communicated in accordance with workplace procedures
 - 2.6** Wind speed and direction are communicated to relevant personnel
 - 2.7** Approach and overshoot paths are communicated to relevant personnel
- 3 Perform airborne rappelling operations**
 - 3.1** Helicopter position over the rappelling point is communicated in accordance with workplace procedures
 - 3.2** Ropes and rappellers are deployed in accordance with workplace procedures
 - 3.3** Situational awareness of rappelling position and aircraft flight performance is maintained in accordance with

- workplace procedures
- 3.4 Rappelling ropes are recovered or released in accordance with workplace procedures
 - 3.5 Clearance for aircraft departure is provided by airborne rappelling dispatcher at completion of deployment
 - 3.6 Complete relevant pre- and post-task documentation in accordance with workplace procedures
- 4 Respond to airborne rappelling emergencies and abnormal situations**
- 4.1 Airborne rappelling emergencies and abnormal situations are identified, diagnosed and communicated to relevant personnel
 - 4.2 Airborne rappelling 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 AVIY0068 Conduct airborne rappelling operations.

Links

Companion Volume Implementation Guides are found in VETNet' -

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