



Australian Government

Department of Education, Employment and Workplace Relations

PUAFIR211B Undertake helicopter winch operations

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

Unit Descriptor

This unit applies to personnel engaged in entering and exiting a helicopter via a winch.

Application of the Unit

Application of the Unit

The application of this unit in the workplace - the environments, complexities and situations involved - will be written during Phase II of the Review of the PUA00 Public Safety Training Package.

This text will be useful for the purposes of job descriptions, recruitment advice or job analysis; where possible, it will not be too job specific to allow other industries to import it into other Training Packages, where feasible.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisite Unit/s

PUAFIR209B Work safely around aircraft

Employability Skills Information

Employability Skills

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a Unit of Competency.

Performance Criteria describe the required performance needed to demonstrate achievement of the element.
Where bold italicised text is used, further information is detailed in the Required Skills and Knowledge and/or the Range Statement. Assessment of performance is to be consistent with the Evidence Guide.

Elements and Performance Criteria

ELEMENT

PERFORMANCE CRITERIA

1. Prepare for winch-exit operations

- 1.1 Appropriate clothing and **equipment** is selected and worn
- 1.2 **Winch-exit operations** are undertaken in accordance with the organisation's safe work practices and aircraft capabilities
- 1.3 **Pre-flight aircraft** safety and **winch** briefings are obtained and are acted upon
- 1.4 The necessary firefighting equipment, as advised from workplace instructions, is assembled
- 1.5 The **aircraft is loaded** in accordance with workplace instructions
- 1.6 Seatbelts are secured in accordance with workplace instructions

2. Winch-exit from helicopter

- 2.1 Winching equipment is donned and attached to winch cable
- 2.2 Seatbelts are unsecured following clearance to commence movement within the helicopter
- 2.3 Movement towards the helicopter door and assumption of the winching position is undertaken in accordance with workplace instructions
- 2.4 Actions are undertaken to minimise uncommanded movement, spinning, or swaying during descent to the ground
- 2.5 Correct landing techniques are selected and used in consideration of ground and weather conditions
- 2.6 Winch equipment is detached, all clear signal communicated and the assembly point for individual and equipment is identified and reached in accordance with the organisation's procedures

3. Winch on board helicopter

- 3.1 Individuals and equipment are located at the nominated assembly point, winching equipment is donned and attached to winch cable and all clear signal is communicated to the crew person in accordance with the organisation's procedures
- 3.2 Actions to minimise uncommanded movement, spinning or swaying during ascent to the helicopter are undertaken in accordance with the organisation's procedures

ELEMENT**PERFORMANCE CRITERIA**

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| | <p>3.3 Movement on board the helicopter and towards the seat is undertaken in accordance with workplace instructions</p> <p>3.4 Seatbelts are secured and remain so until the helicopter has landed and clearance is obtained to commence movement within the helicopter</p> |
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Required Skills and Knowledge**REQUIRED SKILLS AND KNOWLEDGE**

This describes the essential skills and knowledge and their level, required for this unit.

Required Skills

Ability to work as part of a team in the transfer of personnel and equipment between helicopter and the ground

Actions to minimise movement during ascent and descent from helicopter

Required Knowledge

winch and related equipment and materials

personal protective and safety equipment

an area to conduct operations

helicopter(s)

briefing reports

appropriate personnel

Evidence Guide**EVIDENCE GUIDE**

EVIDENCE GUIDE

Critical aspects for assessment and evidence required to demonstrate competency in this unit

It is essential for this unit that competence be demonstrated in:

- conduct of winch operations in accordance with OH&S procedures, legislative and operational guidelines
- preparation, carriage and stowing of equipment prior to, during and following exiting from the helicopter
- following instructions and procedures within the helicopter
- application of correct procedures for entering, exiting, ascending and descending from the helicopter
- application of the appropriate communication processes with crew persons

Consistency in performance

Evidence should be gathered over a period of time in a range of actual or simulated workplace environments

Shows evidence of application of relevant workplace procedures including:

- codes of practice
- hazard policy and procedures
- briefing procedures and work instructions
- procedures relating to safe use of equipment
- following workplace procedures
- action taken promptly - accidents and incidents reported within regulatory and agency requirements
- work completed systematically in accordance with safe operating procedures to minimise risk of injury to self, others or damage to equipment

Context of and specific resources for assessment

Context of assessment

Assessment will take place in a simulated environment followed by assessment by an accredited operator on the job

Specific resources for assessment

- winch and related equipment and materials
- personal protective and safety equipment

EVIDENCE GUIDE**Guidance information for
assessment**

an area to conduct operations

helicopter(s)

briefing reports

appropriate personnel

Information that will assist or guide assessment will be written during Phase II of the Review of the PUA00 Public Safety Training Package.

Range Statement

RANGE STATEMENT

The Range Statement relates to the Unit of Competency as a whole. It allows for different work environments and situations that may affect performance. ***Bold italicised*** wording in the Performance Criteria is detailed below.

Winch operations may include	- helicopter crew - firefighting crew - individual
Winch operations may include equipment such as	- various harness types - couplings and attachments - cabling systems - personal protective equipment - communications equipment - chain saws - rake-hoes - axes - other hand tools - personal rucksacks - food and drink containers
Winch operations may be conducted from	a variety of helicopter types and from either the right or left side of a helicopter
The pre-flight aircraft safety briefing will be given by	the pilot, crew person or the airbase/helibase manager
The pre-flight winch briefing may be given by	either the pilot or the crew person
Aircraft loading may be	under the guidance of either the pilot or the crew person
If personnel are already on the ground	briefings may occur by radio

Unit Sector(s)

Not applicable.

Corequisite Unit/s

Co-requisite Unit/s	PUACOM001C Communicate in the workplace
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