



Australian Government

Department of Education, Employment and Workplace Relations

PUADEFCA008B Perform an individual static line parachute descent

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

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This unit covers the competency required to perform a static line parachute descent that commences from an altitude below 3 000 feet above ground level.

Static line parachute descents are a method of deploying from an aircraft where the individual paratrooper is responsible for preparing and fitting parachute equipment; carrying out safety checks; exiting from an aircraft; and controlling a static line descent to land safely on a drop zone.

During the parachute descent individuals must demonstrate situational awareness of their position in relation to altitude, orientation and the location of other paratroopers. They must also be able to communicate verbally, and non-verbally, and to manage a number of potentially hazardous situations.

Static line parachuting is an inherently dangerous activity consequently the paratroopers must be competent in reacting to and managing, a range of malfunctions and other emergencies.

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 Nil

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 static line parachute descent	1.1 Instructions to conduct a static line parachute descent are received and details are confirmed with supervisor as necessary 1.2 Appropriate <i>parachute equipment</i> is selected, inspected for serviceability and fitted in accordance with <i>standard procedures</i> 1.3 Unserviceable equipment is quarantined and reported, in accordance with standard procedures
2. Complete on board aircraft procedures	2.1 Aircraft is boarded, and self and equipment are positioned and secured, in accordance with standard procedures 2.2 <i>Verbal and non-verbal communication</i> is used effectively with other personnel on board 2.3 <i>On board procedures</i> and <i>individual safety checks</i> are carried out when instructed by authorised personnel, in accordance with standard procedures
3. Exit from the aircraft and descend	3.1 Aircraft is exited using <i>approved techniques</i> 3.2 Canopy is controlled using <i>basic flight and canopy control techniques</i> 3.3 <i>Situational awareness</i> is maintained 3.4 Verbal and non-verbal communication is used with other paratroopers as required 3.5 Relevant drills are conducted to detect and rectify <i>malfunctions</i> in accordance with standard procedures 3.6 <i>Emergency situations</i> are assessed and <i>correct drills</i> are applied to rectify the situation
4. Land on a drop zone	4.1 Designated <i>drop zone</i> is identified 4.2 Landing techniques are applied in accordance with standard procedures 4.3 <i>Landing</i> is completed in accordance with <i>environmental conditions</i> 4.4 <i>Emergency landing</i> is completed as required, in accordance with standard procedures 4.5 Harness release and drag procedures are applied in accordance with standard procedures, and drop zone is cleared
5. Complete static line post descent procedures	5.1 <i>Post descent de-servicing</i> of parachute equipment is conducted in accordance with

standard procedures

5.2 Performance during the individual static line parachute descent is *reviewed*

5.3 *Documentation* is completed accurately and clearly in accordance with standard procedures

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required Skills

- communicate effectively
- interpret instructions
- situational awareness

Required Knowledge

- application of problem solving procedures
- basic flight drills
- canopy control techniques
- design, characteristics, construction and capabilities of parachutes
- effect of environmental conditions on parachuting
- exit techniques
- harness release and drag procedures
- health and safety hazards of parachuting
- individual and team safety checks
- inspection procedure/routine
- landing techniques
- malfunction drills
- paratrooper log card
- theory of flight and canopy control
- verbal and non-verbal communication

Evidence Guide

EVIDENCE GUIDE

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EVIDENCE GUIDE

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

Assessment must confirm the ability to:

- perform three solo static line parachute descents from an aircraft at an altitude below 3 000 feet above ground level
- correctly demonstrate the following exit techniques from a door or ramp:
 - as an individual controlled by a despatcher
 - as part of a group undertaking a continuous exit controlled by a despatcher
 - as part of a group undertaking simultaneous exits from both doors of the aircraft , controlled by a despatcher
- demonstrate the correct drills to recover from a range of emergency situations which as a minimum must include twists, entanglement and collisions, and deploying the reserve parachute
- demonstrate the correct drills for an emergency landing on or in buildings, vehicles, trees, wire and water.

Consistency in performance

Competency must be demonstrated over a minimum of three solo parachute descents, supported by simulated malfunctions and emergencies.

Assessment should be conducted in a timeframe and in a range of contexts and conditions that allows evidence to be gathered on the correct application of static line parachute skills and techniques, consistent with the Range Statement and the operating environment.

Context of and specific resources for assessment

Context of assessment

Competency must be assessed during the preparation and performance of actual static line parachute descents, although due to safety limitations, assessment of the individual's response to malfunctions and other emergencies will need to be undertaken in a simulated environment.

Specific resources for assessment

Access to:

- aircraft and aircrew
- parachutes and personal equipment suitable air space

EVIDENCE GUIDE

- suitable land drop zone
- parachute training facilities that provide adequate simulation
- parachute packing facilities including pack tables
- communications equipment
- transport to and from airport and drop zone
- other administrative support.

Guidance information for assessment

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.

Parachute equipment may include	<p>Live drop parachute and reserve parachute</p> <p>Personal apparel:</p> <ul style="list-style-type: none"> • boots • clothing • helmet
Standard procedures may include	<p>Civil Aviation Safety Authority (CASA) manuals and regulations</p> <p>Job guides, other publications</p> <p>Manufacturers' handbooks, industry specifications and technical instructions</p> <p>Occupational health and safety (OH&S) regulations</p> <p>Operating procedures</p> <p>Organisational instructions and procedures</p> <p>Procedure manuals</p> <p>Routine Orders</p> <p>Written and verbal orders</p>
Verbal and non-verbal communication may include	<p>Aircraft visual and audible warning devices</p> <p>Hand signals</p> <p>Radio communications</p> <p>Voice commands</p>
On board procedures may include	<p>Safety checks</p> <p>Fitting parachuting equipment</p> <p>Carrying out drills or procedures directed by air crew or despatchers</p> <p>Stop drop and aborted sortie procedures</p>
Individual safety checks may include	<p>Checking individual parachute equipment in aircraft in accordance with standard procedures</p> <p>Checking other paratroopers' equipment in accordance with standard procedures</p>

RANGE STATEMENT**Approved techniques to exit the aircraft may include**

From the door/ramp:

- two seconds apart controlled exit
- one second apart continuous exit
- simultaneous exit from both doors by day

Basic flight and canopy control techniques may include

Exit position

Awareness count

Canopy inspection

Using risers to steer

Maintaining parachute position

Assessing drift

Situational awareness may include

All round observation

Monitoring altitude/height

Monitoring the position of other paratroopers

Obstacles on the drop zone

Malfunctions may include

Complete malfunction:

- broken static line
- broken static line cable
- broken static line hook

Hang-up

Partial malfunction - high speed

Partial malfunction - low speed

Emergency situations may include

Accidental opening of reserve

Collisions

Emergency abandoning of aircraft

Entanglements with other paratroopers

Hung up paratrooper

Self entanglements

Twists in suspension lines

Correct drills to rectify emergency situations include

Collisions drill

Twist drill

Deploying the reserve parachute

Emergency landing on or in buildings, vehicles, trees,

RANGE STATEMENT

	wire and water
	Entanglement
Drop zone may include	Known or designated landing areas
	Open country
Landing may include	Back (left and right)
	Forward (left and right)
	Side (left and right)
Environmental conditions may include	Turbulence
	Variable altitude
	Variable temperatures
	Variable weather conditions
	Wind
Emergency landing may include landing in or on	Buildings
	Trees
	Vehicles
	Water
	Wire
	Other hazards
Post descent de-servicing may include	Cleaning parachute and equipment
	Inspecting parachute and equipment, and identifying faults
	Rectifying or reporting defects with the parachute and/or equipment in accordance with standard procedures
Reviewing performance may include	Obtaining feedback from supervisors and individuals on parachuting performance and taking corrective action
	Viewing video of flight and correcting faults
Documentation may include	Paratrooper log card

Unit Sector(s)

Not applicable.

Corequisite Unit/s

Co-requisite Unit/s Nil