



Australian Government

Department of Education, Employment and Workplace Relations

DEFCA009B Perform an individual static line parachute descent carrying combat equipment

Release: 1

DEFCA009B Perform an individual static line parachute descent carrying combat equipment

Modification History

Not applicable.

Unit Descriptor

Unit Descriptor

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

The differentiation between DEFCA008B Perform an individual static line parachute descent and this Unit of Competency is that the combat equipment adds considerable weight and bulk that effects exit position, flight drills and emergency landings.

In addition, the paratrooper must complete at least one landing at night.

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 carrying combat equipment**

- 1.1 Instructions to conduct a static line parachute descent with combat equipment are received and details are confirmed with supervisor as necessary
- 1.2 Appropriate **equipment** is selected, inspected for serviceability and fitted in accordance with **standard procedures**
- 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 both self and equipment are positioned and secured in accordance with standard procedures
- 2.2 **Verbal and non-verbal communication** is used effectively with other personnel on board
- 2.3 **On board procedures, individual safety checks** and fitting of combat equipment 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 **approved techniques**
- 3.2 **Basic flight and canopy control techniques** are employed on opening to control the canopy
- 3.3 **Situational awareness** 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 **malfunctions** in accordance with standard procedures
- 3.6 In flight combat equipment drills are carried out in accordance with standard procedures
- 3.7 **Emergency situations** are assessed and **correct drills** are applied to rectify the situation

4. **Land on a drop zone**

- 4.1 Designated **drop zone** is identified
- 4.2 Combat equipment is lowered at the designated height in accordance with standard procedures
- 4.3 **Landing techniques** are applied in accordance with standard procedures
- 4.4 Landing is completed in accordance with **environmental conditions**
- 4.5 Emergency landing, including the jettisoning of combat equipment prior to landing, is completed in accordance with standard procedures
- 4.6 Harness release and drag procedures are applied in accordance with standard procedures and drop

5. **Complete static line post descent procedures**

zone is cleared

- 5.1 **Post descent de-servicing** of parachuting equipment and harness equipment single point release are 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 and canopy control techniques carrying combat equipment
- basic flight drills carrying combat equipment
- design, characteristics, construction and capabilities of parachutes
- effect of environmental conditions on parachuting
- exit techniques with combat equipment
- harness release and drag procedures carrying combat equipment
- health and safety hazards of parachuting
- individual and team safety checks
- inspection procedure/routine
- landing techniques carrying combat equipment
- malfunction drills carrying combat equipment
- paratrooper log card
- theory of flight and canopy control
- verbal and non-verbal communication

Evidence Guide

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
- carry, as a minimum, the following combat equipment (or the equivalent in weight and size):
- individual load carrying equipment
- field pack and cover
- personal weapon
- correctly demonstrate the following exit techniques from a door or ramp:
- as part of a group undertaking a continuous exit controlled by a despatcher
- as part of a group undertaking simultaneous exits by day, from both doors of the aircraft, controlled by a despatcher
- as part of a group undertaking simultaneous exits by night, 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 with combat equipment, including at least one night descent, supported by simulated malfunctions and other 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, while carrying combat equipment, 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 carrying combat equipment, although due to safety

EVIDENCE GUIDE

limitations, assessment of the individual's response to basic flight drills, 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
- suitable land drop zone
- parachute training facilities that provides adequate simulation
- parachute packing facilities, including packing table
- communications equipment
- transport to and from airport and drop zone
- other administrative support.

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.

Equipment may include

Combat equipment:

- field pack and cover
- harness equipment single point release (HESPR)
- individual load carrying equipment
- light stick
- navigation aids
- personal radio
- personal weapon and sling
- operational sustainment requirements including:
- ammunition
- spare clothing and field equipment
- rations
- water
- weapon sleeve

Parachute equipment:

- live drop parachute and reserve parachute
- personal apparel:
- boots
- field uniform
- helmet

Standard procedures may include

Civil Aviation Safety Authority (CASA) manuals and regulations
Defence instructions and publications
Job guides, other publications
Manufacturers' handbooks, industry specifications and technical instructions
Occupational health and safety (OH&S) regulations
Operating procedures
Procedure manuals
Routine Orders
Written and verbal orders

Verbal and non-verbal communication may include

Aircraft visual and audible warning devices
Hand signals
Panels and lights
Radio communications

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Strobe lights
Voice commands

RANGE STATEMENT

On board procedures may include	Carrying out drills or procedures directed by air crew or despatchers Fitting parachuting and combat equipment In flight rigging Safety checks Stop drop and aborted sortie procedures
Individual safety checks may include	Checking individual parachute and combat equipment in aircraft in accordance with standard procedures Checking other paratroopers' equipment in accordance with standard procedures
Approved techniques to exit the aircraft may include	From the door/ramp: • one second apart continuous exit • simultaneous exit from both doors by day • simultaneous exit from both doors by night
Basic flight and canopy control techniques may include	Exit position with combat equipment Awareness count Canopy inspection Using risers to steer Maintaining parachute position Assessing drift
Situational awareness may include	All round observation Equipment lowering height Monitoring altitude/height Monitoring the position of other paratroopers
Malfunctions may include	Complete malfunction • broken static line cable • broken static line • 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

RANGE STATEMENT

Correct drills to rectify emergency situations include

Collisions drill
Deploying the reserve parachute
Jettisoning of equipment
Emergency landing on or in buildings, trees, wire and water
Entanglement

Drop zone may include

Known or designated landing areas
Open country

Landing techniques 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

Post descent de servicing may include

Cleaning parachute and equipment
Inspecting parachute and combat equipment and identifying faults
Rectifying or reporting defects with the parachute and/or combat equipment in accordance with standard procedures

Reviewing performance may include

Obtaining feedback from supervisors and individuals on parachuting performance and taking corrective action

Documentation may include

Paratrooper log card

Unit Sector(s)

Not applicable.

Corequisite Unit/s

Co-requisite Unit/s

Nil