



Australian Government

Department of Education, Employment and Workplace Relations

PUAAMS003B Conduct stores dropping operations

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

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This unit applies to the Dropmaster/Loadmaster's role. It does not cover to competency to control and position the aircraft for dropping operations.

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. Configure aircraft

- 1.1 Stores are prepared prior to loading on aircraft in accordance with *policies and procedures*
- 1.2 Search briefing is obtained from relevant Search and Rescue authority
- 1.3 Aircraft is *configured* for drop operations in accordance with the applicable Flight Manual
- 1.4 Protective surfaces are installed and protective tape applied in accordance with policies and procedures
- 1.5 *Stores* are checked and secured in accordance with policies and procedures
- 1.6 Principles of internal loading of cargo are complied with when loading the aircraft in accordance with policies and procedures

2. Locate target

- 2.1 *Distance estimation methods* are employed to identify target position in accordance with policies and procedures
- 2.2 Initial target marking smoke is prepared and dispatched to mark target area in accordance with policies and procedures
- 2.3 Visual sighting of target is maintained during stores dropping in accordance with policies and procedures

3. Dispatch stores

- 3.1 Reference markers are dispatched under the pilot's directions and in accordance with policies and procedures
- 3.2 Stores are dispatched under the pilot's directions and in accordance with policies and procedures
- 3.3 Visual sighting of target is maintained during stores dropping in accordance with policies and procedures

4. Reconfigure aircraft

- 4.1 Equipment is removed and checked for serviceability in accordance with policies and procedures
- 4.2 Items of stores used are annotated on the incident form

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required Skills

- An ability to:
- check ancillary Search and Rescue equipment for serviceability
- handle pyrotechnic devices in a safe manner
- operate safely around aircraft
- work in a crewed environment

Required Knowledge

- actions to be carried out in the event of in-flight emergencies
- arming procedures for pyrotechnic markers and general operation of electronic markers
- burning times of pyrotechnic markers
- frequencies of electronic markers
- general operation of light emitting markers
- inherent dangers of handling pyrotechnic devices
- maximum and minimum weight of a loaded helibox
- meaning of the hand signals relayed by other crew members during a stores dropping operation
- OH&S considerations as they pertain to operating within an aircraft during stores dropping operations
- principles of teamwork

Evidence Guide

EVIDENCE GUIDE

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

Stores are prepared and secured safely and dispatched under the pilot's directions

Consistency in performance

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

Context of and specific resources for assessment**Context of assessment**

Evidence can be collected on the job but may be undertaken in a simulation

Specific resources for assessment

On job assessment may entail additional costs

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.

Configure may include	Removing doors hatches furnishings fittings outfitting with specialist equipment crew equipment
Policies and procedures protocols may include	National Search and Rescue Manual Search and Rescue Manual for Civil Search and Rescue Unit Pilots and Dropmasters Civil Aviation Regulations (CARs) Civil Aviation Orders (CAOs) Aeronautical Information Publication (AIPs) En route Supplement Australia - Emergency Section (ERSA) Applicable Aircraft Flight Manual and Civil Search and Rescue Unit Operations manual
Stores may include	Safety knives timer Dropmaster bag Seebnitz (strobe marker) life-rafts heliboxes pyrotechnic and electronic reference markers stores delivery systems pumps storepedoes search and rescue datum buoy air droppable search and rescue radio
Distance estimation methods	using clock method

RANGE STATEMENT**may include****Hand signals may include**

30 seconds to drop
 10 seconds to drop
 drop and abort

Secure may include

stowing stores
 using nets
 tie-down straps and static line cord

Incident report may include

search and rescue incident report
 police incident reports

Emergency situations may include

drop abort
 inadvertent raft inflation
 emergency ejection of the load
 inadvertent smoke activation in-flight
 canister-related situations (including static line falling to separate
 hang-up of delivery system)

Unit Sector(s)

Not applicable.

Corequisite Unit/s**Co-requisite Unit/s**

PUAAMS001B Work in an aviation environment
 PUAEME001B Provide emergency care
 PUATEA001B Work in a team
 PUATEA004C Work effectively in a public safety organisation