



Australian Government

DEFADI004 Work safely and efficiently in and around rotary wing aircraft

Release: 1

DEFADI004 Work safely and efficiently in and around rotary wing aircraft

Modification History

This is the first release of this unit of competency in the DEF Defence Training Package

Application

This unit specifies the skills and knowledge required to work safely and efficiently in and around rotary wing aircraft when required to assist in setting up and in the operation of helicopter landing point, landing site and landing zone (LP/LS/LZ).

It includes working safely in and around rotary wing aircraft whilst setting up LP/LS/LZ.

This unit applies to persons working as Defence Aerial Delivery Specialists as part of an aerial delivery crew in and around rotary wing aircraft.

The skills and knowledge described in this unit must be applied within the legislative, regulatory and policy environment in which they are carried out. Organisational policies and procedures must be consulted and adhered to.

Persons undertaking this unit would work under direct supervision, as part of a team, performing specific tasks in a range of contexts.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable

Competency Field

Air Dispatch

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential Performance criteria describe the performance needed to

outcomes.

demonstrate achievement of the element.

1 Set up LP/LS/LZ

- 1.1** Identify site hazards around rotary wing aircraft, assess risk and implement control measures
- 1.2** Prepare and mark helicopter LP/LS/LZ for day and night operations
- 1.3** Use mandatory marshalling signals in accordance with organisational procedures

2 Work safely in and around rotary wing aircraft

- 2.1** Use suitable, visible clothing and personal protective equipment (PPE)
- 2.2** Apply precautions when operating on or near aircraft movement areas in accordance with organisational procedures
- 2.3** Obtain clearances to approach and enter aircraft and comply with instructions and signals from aircrew
- 2.4** Identify and react to the manoeuvring patterns of aircraft
- 2.5** Maintain visual contact with the pilot, other aircrew and ground staff

3 Work effectively in and around rotary wing aircraft

- 3.1** Follow aircrew instructions during boarding and loading activities
- 3.2** Follow aircraft design features while boarding and loading
- 3.3** Identify and comply with aircraft role and capability limitations
- 3.4** Identify and comply with aircraft loading weight, balance and loading system

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 is a new unit - No equivalent unit.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6bdbab1e-11ed-4bc9-9cba-9e1a55d4e4a9>

Assessment Requirements for DEFADI004 Work safely and efficiently in and around rotary wing aircraft

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria on at least one occasion and include:

- anticipating the typical manoeuvring patterns of aircraft
- applying safety, legislative and statutory requirements relevant to the risk assessment
- approaching operating aircraft from an angle visible to the pilot or aircrew
- demonstrating mandatory marshalling signals
- identifying hazards, assessing risks and implementing control measures
- identifying, interpreting and analysing risk assessment requirements relevant to work being performed
- identifying, selecting, inspecting and using personal protective equipment (PPE)
- interpreting written rules, regulations, procedures and guidelines
- maintaining adequate clearance from rotors and turbine engines, exhaust gases and engine intakes
- setting up and marking landing point/landing site/landing zone (LP/LS/LZ).

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- aircraft danger zones
- day and night marshalling signals
- effects of wind on aircraft
- LP/LS/LZ definitions, dimensions, markings, ground limitations and security requirements
- LP/LS/LZ operation, safety regulations and hazards and danger areas of helicopters
- manoeuvring patterns of aircraft
- relevant organisational policies and procedures
- roles, characteristics and capabilities of Defence helicopters and rotary wing aircraft.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of

assessment.

As a minimum, assessment must satisfy applicable regulatory requirements, which include requirements in the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or other simulations
- relevant and appropriate materials, tools, equipment and PPE currently used in industry
- applicable documentation, including operational procedures, regulations, codes of practice and operation manuals.

Links

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