



Australian Government

AVIY4004 Land aeroplane

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the AVI Aviation Training Package.

Application

This unit involves the skills and knowledge required to land an aeroplane, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority and national operating standards.

It includes conducting aeroplane landings and managing mishandled landings.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to aircraft operational duties of flight crew, and contributes to safe and effective performance in complex aviation operational environments.

Operations are conducted as part of recreational, commercial and military aircraft activities across a variety of operational contexts within the Australian aviation industry.

Work is performed independently or under limited supervision within a single-pilot or multi-crew environment.

Licensing, legislative, regulatory or certification requirements are applicable to this unit.

Use for Defence Aviation is to be in accordance with relevant Defence Orders, Instructions, Publications and Regulations.

Pre-requisite Unit

Not applicable.

Competency Field

Y – Aircraft Operation and Traffic Management

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

PERFORMANCE CRITERIA

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1 Conduct aeroplane landing

- 1.1 Aeroplane is landed at a controlled rate of descent with alignment above the runway centreline, within a specified area without drift, and directional control is maintained
- 1.2 Existing wind conditions are confirmed, drift corrections are applied, precise ground track is maintained, and aeroplane is configured for cross-wind landing conditions as required
- 1.3 Ballooning and bouncing are minimised and controlled in accordance with established aeroplane landing procedures
- 1.4 Positive directional control is maintained and cross-wind corrections are applied as required during the after-landing roll
- 1.5 After-landing checks are performed in accordance with approved checklist
- 1.6 Separation with conflicting air and ground traffic is maintained
- 1.7 Runway is vacated when practicable
- 1.8 Aeroplane is stopped safely using drag and/or braking devices within available runway length
- 1.9 Landing clearance is obtained at applicable airfields
- 1.10 Wake turbulence is avoided
- 1.11 Weather conditions are monitored

2 Manage mishandled landing

- 2.1 Conditional requirements for conducting a missed approach are recognised
- 2.2 Decision to perform missed approach and subsequent go-around is made when safe landing cannot be achieved
- 2.3 Power, attitude and configuration are selected to safely control aeroplane
- 2.4 Aeroplane is manoeuvred clear of the ground and after take-off procedures are conducted
- 2.5 Allowance for wind velocity is made during go-around
- 2.6 Wake turbulence is avoided

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.

Unit Mapping Information

This unit replaces and is equivalent to AVIY4004B Land aeroplane.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=4725260a-0af3-4daf-912b-ef1c2f3e5816>