



Australian Government

AVIY4001 Control aeroplane on the ground

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 control an aeroplane on the ground, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority and national operating standards.

It includes starting and stopping an aeroplane engine, and taxiing an aeroplane.

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 Start and stop engine

- 1.1 Pre-start and after-start checks are completed in accordance with aircraft flight manual (AFM)/pilot's operating handbook (POH)
- 1.2 Engine is started and shut down in accordance with AFM/POH
- 1.3 Emergencies are managed in accordance with AFM/POH and regulatory requirements
- 1.4 Pre-and after shutdown checks are completed in accordance with AFM/POH
- 1.5 Manufacturer limitations are complied with and deviations are reported as required
- 1.6 Aeroplane is positioned to ensure safety when starting engine

2 Taxi aeroplane

- 2.1 Automatic terminal information service (ATIS) reports and taxi clearance are obtained as required
- 2.2 Aeroplane control and safe taxi speed is maintained in accordance with prevailing aerodrome, traffic, surface and weather conditions
- 2.3 Brake serviceability and functionality checks are performed clear of conflicting traffic and other hazards to confirm serviceability
- 2.4 Instrument checks are conducted and altimeter settings are adjusted to confirm serviceability prior to aircraft departure
- 2.5 Engine handling and braking on the ground is in accordance with AFM/POH
- 2.6 Airfield markings/lights/signals/indicators are interpreted and complied with
- 2.7 Lookout is maintained and right-of-way rules are adhered to while complying with applicable air traffic control (ATC) or marshalling instructions
- 2.8 Adverse effect of propeller slipstream or jet wash on other aeroplanes, aerodrome facilities and personnel is avoided
- 2.9 Taxi path is inspected when surface conditions are obscured

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 AVIY4001B Control aeroplane on the ground.

Links

Companion Volume implementation guides are found in VETNet -

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