



**Australian Government**

# **AVIY0020 Taxi helicopter**

**Release: 1**

# AVIY0020 Taxi helicopter

## 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 taxi a helicopter, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority and national operating standards.

It includes performing air taxiing manoeuvres and air transiting manoeuvres.

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.
<b>1 Perform air taxiing manoeuvres</b>	<p>1.1 Helicopter is manoeuvred over the ground on a prescribed track at constant height associated with ground effect and speed is adjusted to suit helicopter type, surface conditions, congestion, maintenance of control and to avoid collision with obstacles or other aircraft</p> <p>1.2 Awareness of adverse effects of rotor downwash on surrounding aircraft, people, objects and environment is maintained</p> <p>1.3 Engine and rotor speed (RPM/RRPM) is managed within normal operating limits</p>
<b>2 Perform air transiting manoeuvres</b>	<p>2.1 Helicopter is manoeuvred, while allowing for prevailing conditions, over a prescribed track within aerodrome boundaries that is clear of obstacles at a height not above 100 feet (ft) above ground level (AGL) at airspeeds greater than speeds used for air taxiing</p> <p>2.2 Helicopter performance is considered throughout air transit manoeuvres</p> <p>2.3 Awareness of adverse effects of rotor downwash on surrounding aircraft, people, objects and environment is maintained</p> <p>2.4 Instruments, switches or devices are manipulated when safe to do so, including when the release of the collective pitch level is required, while maintaining height, heading, speed, and attitude and not exceeding RPM or power limits</p> <p>2.5 Air transit ground speed is adjusted to suit helicopter type, traffic conditions, congestion, and maintaining control, and to avoid collision with obstacles or other aircraft</p> <p>2.6 Lookout is maintained using a systematic scan technique at a rate determined by traffic density, visibility and terrain</p> <p>2.7 Appropriate risk management is applied during air transit manoeuvres</p>

## 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 not equivalent to AVIY4013B Taxi helicopter.

## Links

Companion Volume implementation guides are found in VETNet -

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