



Australian Government

AVIY3073 Control remote pilot aircraft systems on the ground

Release: 1

AVIY3073 Control remote pilot aircraft systems on the ground

Modification History

Release 1. This is the first release of this qualification in the TLI Transport and Logistics Training Package.

Application

This unit involves the skills and knowledge required to control remote pilot aircraft systems (RPAS) on the ground.

It includes starting an engine, taxiing and/or positioning the RPAS, and performing an RPAS shutdown.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to RPAS operational duties of flight crew and ground personnel, 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 RPAS 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 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 RPAS is positioned to ensure safety when starting engine 1.3 Manufacturer limitations and report deviations are complied with as required 1.4 Engine/s are started in accordance with AFM/POH 1.5 Emergencies are managed in accordance with AFM/POH and regulatory requirements
2 Taxi and/or position RPA	2.1 Automatic terminal information service (ATIS) reports and taxi clearance are obtained as required 2.2 RPAS is taxied at a safe speed and in accordance with prevailing location, traffic, surface and weather conditions 2.3 Instrument checks are performed clear of conflicting traffic and other hazards to confirm serviceability 2.4 Handling and braking on ground is in accordance with AFM/POH 2.5 Airfield markings/lights/signals/indicators are interpreted and complied with as required 2.6 Lookout and right-of-way rules are complied with as required 2.7 Adverse effects on other aircraft, facilities and personnel is avoided 2.8 Inspection of taxi path is carried out when surface conditions are obscured as required 2.9 RPAS (and launch system) is positioned in accordance with launch point requirements and applicable safety precautions
3 Perform RPA shutdown	3.1 Pre-and post shutdown checks are completed in accordance with AFM/POH 3.2 Engine is shut down in accordance with AFM/POH 3.3 Required documentation is completed in accordance with

workplace procedures

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 AVIY3073A Control remote pilot aircraft (RPA) 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>