



**Australian Government**

# **AVIN0006 Manage RPAS assets**

**Release: 1**

# AVIN0006 Manage RPAS assets

## 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 manage remotely piloted aircraft system (RPAS) assets to ensure the integrity and reliability of equipment. A chief maintenance officer must be nominated on the Remote Operator Certificate (ReOC).

It includes analysing asset requirements, placing assets into service, managing assets as they apply to jobs and maintenance systems, and asset disposal.

RPAS assets are used to ensure the task requested is completed in a safe, efficient and effective manner. They may encompass the entire RPAS, with components included such as aircraft, remote pilot station, batteries, payload, emergency equipment, operational (take-off and landing) area cordoning equipment, personal protective equipment (PPE), supporting IT, and storage and maintenance equipment.

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

## Pre-requisite Unit

Not applicable.

## Competency Field

B - Equipment checking and maintenance.

## Unit Sector

No applicable.

## Elements and Performance Criteria

### ELEMENTS

Elements describe the essential outcomes.

#### 1 Analyse asset

### PERFORMANCE CRITERIA

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

#### 1.1 Civil Aviation Safety Authority (CASA), work health

- requirements**
- and safety (WHS), legislative requirements, industry standards, codes of practice, manufacturers' specifications, environmental obligations and workplace procedures are identified, applied and monitored
- 1.2** Work requirements are identified from work orders and are confirmed with appropriate parties or by site inspection in accordance with manufacturer and workplace procedures
- 1.3** Resources to satisfy work requirements are obtained and inspected for compliance in accordance with workplace procedures
- 1.4** Potential hazards are identified, recorded and risk control measures are selected and implemented in accordance with workplace procedures
- 1.5** Work is sequenced and prioritised in accordance with workplace procedures and site requirements
- 2 Place assets into service**
- 2.1** Compatibility of assets with existing operations is determined
- 2.2** Monitoring frequency of assets is determined in accordance with manufacturer procedures, including workplace and site requirements
- 2.3** Checklist for asset monitoring is maintained in accordance with manufacturer procedures, including workplace and site requirements
- 2.4** Abnormal events or conditions are reported to appropriate personnel in accordance with manufacturer procedures, including workplace and site requirements
- 3 Manage assets as applied to jobs and maintenance systems**
- 3.1** Maintenance of aviation assets is undertaken in accordance with manufacturer procedures, including workplace and site requirements
- 3.2** Appropriate tools and equipment required to maintain assets is utilised in accordance with workplace procedures and manufacturer specifications
- 3.3** Maintenance work is completed, and appropriate personnel are notified in accordance with manufacturer procedures, including workplace and site requirements

- 3.4 Work area is cleared of waste, cleaned, restored and secured in accordance with manufacturer procedures, including workplace and site requirements
  - 3.5 Asset maintenance tools and equipment are maintained and stored in accordance with manufacturer procedures, including workplace and site requirements
  - 3.6 Work completion details are finalised in accordance with workplace procedures, CASA requirement and are stored in accordance with Operations Manual
- 4 Dispose of assets**
- 4.1 Assets for disposal are identified
  - 4.2 Potential market value of assets is determined
  - 4.3 Options for disposal are investigated
  - 4.4 Disposal requirements are considered for special categories of assets, including security and environmental issues
  - 4.5 Assets are disposed of according to approved disposal plan and requirements
  - 4.6 Records are maintained for audit and evaluation purposes

## 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 AVI Aviation Training Package 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=4725260a-0af3-4daf-912b-ef1c2f3e5816>