



**Australian Government**

# **AVIW3025 Complete aircraft and flight equipment pre- and post-flight actions**

**Release: 1**

# **AVIW3025 Complete aircraft and flight equipment pre- and post-flight actions**

## **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 complete aircraft and flight equipment pre- and post-flight actions, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes preparing aircraft and flight equipment, performing aircraft pre-flight and post-flight actions, and completing post-flight requirements.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to equipment and system operations 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**

W – Equipment and Systems Operations

## **Unit Sector**

Not applicable.

## Elements and Performance Criteria

### ELEMENTS

Elements describe the essential outcomes.

### PERFORMANCE CRITERIA

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

#### 1 Prepare aircraft and flight equipment

- 1.1 Aircraft fuel levels are confirmed as sufficient to achieve flight requirements
- 1.2 Personal survival equipment is inspected and prepared for use
- 1.3 Flight equipment is stowed appropriately in aircraft
- 1.4 Applicable aircraft publications are obtained or accessed

#### 2 Perform aircraft pre-flight and post-flight actions

- 2.1 Aircraft maintenance documentation is inspected for correct compilation and completion
- 2.2 Information/documentation about serviceability of aircraft, engineering limitations, fuel state and configuration is obtained and assessed for flight or mission capability
- 2.3 Aircraft pre-flight inspections are conducted
- 2.4 Aircraft fluid systems are checked and replenished as approved by flight crew maintenance
- 2.5 Aircraft post-flight inspections are conducted
- 2.6 Aircraft discrepancies and unserviceabilities are reported

#### 3 Complete post-flight requirements

- 3.1 Aircraft publications are stored and updated
- 3.2 Specialist flight equipment is inspected and stored for future use
- 3.3 Personal survival equipment is inspected and stored in appropriate areas
- 3.4 Identified flight equipment unserviceabilities are reported and recorded in accordance with maintenance recording requirements

## 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.

Aircraft publications must include one or more of the following:

- aviation maintenance documentation
- checklists
- flight manuals
- organisational policy and procedures manuals

Specialist flight equipment must include one or more of the following:

- aeromedical evacuation equipment
- cargo securing equipment
- firefighting equipment
- intelligence gathering equipment
- load-lifting equipment
- night vision imaging systems and associated equipment
- pyrotechnics
- search and rescue equipment
- transfer equipment
- troop carrying equipment
- weapons

Information/documentation must include one or more of the following:

- aeronautical information publication (AIP)
- aircraft flight manual (AFM)
- approved checklists
- charts
- in a Defence context, relevant Defence Orders and Instructions
- induction and training materials
- operations manuals
- pilot operating handbook (POH)
- relevant sections of Civil Aviation Safety Regulations
- workplace procedures and instructions, and job specification

## Unit Mapping Information

This unit is equivalent to AVIW3025A Complete aircraft/flight equipment pre- and post-flight actions.

## **Links**

Companion Volume implementation guides are found in VETNet -

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