



Australian Government

AVIW4001 Manage pre- and post-flight actions

Release: 1

AVIW4001 Manage 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 manage pre- and post-flight actions, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes completing pre- and post-flight administration, performing pre- and post-flight actions/inspections, and performing and certifying daily inspections.

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

PERFORMANCE CRITERIA

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1 Complete pre- and post-flight administration	<p>1.1 Pre- and post-flight planning and documentation is completed in accordance with regulatory requirements and/or operations manual</p> <p>1.2 Aircraft take-off and landing performance is calculated in accordance with performance charts</p> <p>1.3 Aircraft weight and balance is confirmed</p> <p>1.4 Pre- and post-flight maintenance release (flight technical log) and flight administration is completed in accordance with regulatory requirements and/or operations manual</p> <p>1.5 Aircraft serviceability is determined by daily inspection, and certification of daily inspection in maintenance release (flight and technical log) is completed in accordance with regulations</p>
2 Perform pre- and post-flight actions/ inspection	<p>2.1 Equipment and documentation as required by regulation, is identified and secured in aircraft pre-flight</p> <p>2.2 Hazards are identified, risks are assessed and hazard management is implemented</p> <p>2.3 Internal checks are completed in accordance with approved checklist</p> <p>2.4 External checks are completed in accordance with approved checklist</p> <p>2.5 Flight equipment and documentation are removed from aircraft post-flight</p> <p>2.6 Aircraft is secured in accordance with manufacturer specifications and organisational procedures</p>
3 Perform and certify daily inspection	<p>3.1 Daily inspection of aircraft is performed in accordance with authorised aviation maintenance systems</p> <p>3.2 Appropriate actions are undertaken to rectify discrepancies</p> <p>3.3 Daily inspection is certified in accordance with regulatory requirements</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 equivalent to AVIW4001B Manage 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>