



Australian Government

AVIW0036 Complete aircraft and flight equipment pre- and post-flight actions

Release: 1

AVIW0036 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- and post-flight actions, and completing post-flight administrative requirements.

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 across a variety of operational contexts within the Australian aviation industry.

Licensing, legislative, regulatory or certification requirements are applicable to this unit.

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 Prepare aircraft and flight equipment

- 1.1** Aircraft fuel levels are confirmed as sufficient to achieve flight requirements in accordance with workplace procedures
- 1.2** Personal protective equipment (PPE) and aircraft role equipment is inspected and prepared for use
- 1.3** Flight equipment is stowed in aircraft in accordance with workplace procedures
- 1.4** Applicable aircraft publications are identified and adhered to

2 Perform aircraft pre- and post-flight actions

- 2.1** Information and documentation about serviceability of aircraft, engineering limitations, fuel state, specialist equipment and configuration are obtained and assessed for flight or mission capability
- 2.2** Aircraft pre-flight inspections are conducted in accordance with workplace procedures
- 2.3** Aircraft post-flight inspections are conducted in accordance with workplace procedures
- 2.4** Identified flight equipment unserviceabilities are reported and recorded in accordance with workplace procedures

3 Complete post-flight administrative requirements

- 3.1** Aircraft publications are stored and updated in accordance with workplace procedures
- 3.2** PPE and aircraft role equipment is inspected and stored in appropriate areas
- 3.3** Aircraft and specialist flight equipment discrepancies and unserviceabilities are reported in accordance with workplace procedures
- 3.4** Participate in crew debrief 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.

Non-essential conditions may be found in the Companion Volume Implementation Guide.

Unit Mapping Information

This unit replaces and is equivalent to AVIW0025 Complete aircraft and flight equipment pre- and post-flight actions.

Links

Companion Volume Implementation Guides are found in VETNet' -

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

Assessment Requirements for AVIW0036 Complete aircraft and flight equipment pre- and post-flight actions

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and the range of conditions on at least one occasion and include:

- applying relevant legislation and workplace procedures
- communicating effectively with others using verbal, non-verbal, written and digital means
- completing relevant documentation
- identifying and using ground support equipment required for replenishing aircraft systems
- implementing work health and safety procedures and relevant regulations
- interpreting and following aircraft documentation
- interpreting and following operational instructions and prioritising work
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring work activities in terms of planned schedule
- operating specialist equipment
- participating in debrief
- reporting unservicabilities in accordance with workplace procedures.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- aircraft and aircraft systems configuration and operation
- aircraft and flight equipment inspection procedures and serviceability criteria
- aircraft publications
- pre- and post-flight inspection procedures
- relevant aircraft documentation
- specialist equipment inspection procedures
- specialist equipment uses, capabilities and limitations
- typical problems that may occur when completing aircraft and flight equipment pre- and post-flight actions, and appropriate solutions

- workplace procedures, instructions and relevant legislation and regulations.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or simulations
- applicable documentation including workplace procedures, regulations, codes of practice and operation manuals,
- relevant materials, tools, equipment and personal protective equipment (PPE) currently used in industry.

Links

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