



Australian Government

AVIY4053 Perform aircrewman cockpit duties

Release: 1

AVIY4053 Perform aircrewman cockpit duties

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 perform aircrewman cockpit duties, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority and national operating standards.

It includes monitoring flight conditions and responding to abnormal/emergency situations.

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 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

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 Monitor flight conditions

- 1.1 Instruments are monitored throughout flight for correct indication and operation
- 1.2 Aircraft altitude, attitude and heading are monitored
- 1.3 Situational awareness is maintained to ensure safe flight
- 1.4 Fuel usage is monitored
- 1.5 Aircraft operating limits are monitored and advice is provided to pilot in command
- 1.6 Operational documentation is interpreted and information is provided to pilot in command
- 1.7 Aircraft operational checks are completed

2 Respond to abnormal/emergency situations

- 2.1 Abnormal/emergency situations are identified and diagnosed
- 2.2 Abnormal/emergency response is undertaken in accordance with aircraft checklists, pilot directions, and organisational policy and 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.

Aircraft operational checks must include one or more of the following:

- after landing
- after start
- after take-off
- over water
- pre-landing
- pre-start
- pre-take-off
- pre-taxi

Abnormal/emergency situations must include one or more of the following:

- shutdown
- aircraft damage
- aircraft engine/electrical fire
- avionics malfunction
- engine malfunction
- fuel system malfunction
- hydraulic system malfunction
- instrument failure
- pilot incapacitation
- transmission system malfunction

Unit Mapping Information

This unit replaces and is equivalent to AVIY4053A Perform aircrewman cockpit duties.

Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=4725260a-0af3-4daf-912b-ef1c2f3e5816>