



Australian Government

AVIZ0001 Maintain and manage situational awareness as pilot in command

Release: 1

AVIZ0001 Maintain and manage situational awareness as pilot in command

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 maintain and manage situational awareness as pilot in command (PIC), in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes establishing and maintaining own and flight crew situational awareness, setting crew priorities and task management, and working with others in managing situational awareness.

This unit addresses aviation non-technical skill requirements (mental, social and personal-management abilities) of a PIC, and contributes to safe and effective performance in complex aviation operational environments.

Operations are conducted as part of commercial and military aircraft activities across a variety of operational contexts within the Australian aviation industry.

Work is performed independently and without supervision within a 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

Z – Situation Awareness

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 Establish and maintain situational awareness of self and flight crew

- 1.1 Continuous active monitoring (effective lookout) of all critical factors relevant to the safe progress of a flight is undertaken
- 1.2 Situational awareness is applied to own and others' performance in accordance with relevant regulations and legislative requirements
- 1.3 Trends towards an unsafe situation are promptly recognised and appropriate corrective action is taken
- 1.4 Breakdown in flight crew situational awareness is identified and rectified promptly

2 Set crew priorities and manage tasks

- 2.1 Crew priorities and workload are allocated to ensure completion of all tasks relevant to the safety of the flight
- 2.2 Safe operation of aircraft is prioritised ahead of competing tasks
- 2.3 Critical events and tasks are anticipated and managed to ensure accurate completion within available time constraints
- 2.4 Technology is used effectively to reduce workload and to improve ability to safely perform mental and manipulative activities
- 2.5 Signs and symptoms of team fatigue are identified and actions are taken to manage fatigue of self or in others

3 Work with others in managing situational awareness

- 3.1 Collaboration with flight crew members is undertaken to ensure safe completion of flight operations
- 3.2 Effective and efficient crew communications and interpersonal relationships are established and maintained to ensure safe flight outcome
- 3.3 Flight crew members are encouraged to contribute to safe flight outcome
- 3.4 Appropriate actions are taken in conjunction with others to cooperatively correct identified unsafe situations that may develop at any point during the flight

- 3.5 Command decisions are communicated to other flight crew members to maintain and manage situational awareness

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

No equivalent unit.

Links

Companion Volume implementation guides are found in VETNet -

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