Australian Government

AVIZ0006 Manage situational awareness in aircraft flight

Release: 1

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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 situational awareness in aircraft flight in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes maintaining situational awareness, assessing situations and making decisions, setting priorities and managing tasks, and working with others in managing situational awareness.

This unit addresses aviation non-technical skill requirements (mental, social and personal-management abilities) 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 at time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

Z – Situational 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 Maintain situational awareness	1.1 Continuous monitoring of all critical factors relevant to the safe progress of a flight is undertaken
	1.2 Effective visual scan is applied and radio communication, traffic information and aircraft systems are used appropriately
	1.3 Trends towards unsafe situations are recognised and appropriate corrective actions employed in accordance with workplace procedures and regulatory requirements
	1.4 Breakdown in situational awareness is identified from errors or discrepancies and is rectified by ensuring safe operation of aircraft and response to situation
2 Assess situations and make decisions	2.1 Problems are identified and analysed
	2.2 Solutions are identified and risks are assessed
	2.3 Course of action is chosen to ensure a safe outcome to a flight or manoeuvre
	2.4 Plan of action is communicated and tasks allocated
	2.5 Actions are taken to achieve optimum outcomes
	2.6 Progress is monitored against plan
	2.7 Plan is re-evaluated to achieve optimum outcomes
	2.8 Operational changes and related risks are monitored and managed to ensure a safe outcome to a flight or manoeuvre
3 Set priorities and manage tasks	3.1 Priorities and workload are organised to ensure completion of all tasks relevant to flight safety
	3.2 Safe and effective operation of aircraft is prioritised ahead of competing tasks
	3.3 Technology is appropriately used to reduce workload and to improve ability to perform mental and manipulative activities
	3.4 Fixation on single actions/functions is avoided

	3.5	Symptoms of fatigue are recognised and appropriate action taken to reduce its effects
	3.6	Critical events and tasks are anticipated and completed in time available
4 Work with others in managing situational awareness	**4.1**	Level of assertiveness is applied that ensures safe flight completion
	4.2	Effective and efficient communications and interpersonal relationships are established and maintained with all stakeholders to ensure safe flight outcome
	4.3	Passengers and crew members are encouraged to participate in and contribute to safe flight outcome
	4.4	Appropriate action is taken in conjunction with others to cooperatively correct any identified unsafe situations that may develop during an aircraft flight

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 AVIZ4001 Manage situation awareness in aircraft flight.

Links

AVI Training Package Companion Volume Implementation Guide available on VET Net: - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=4725260a-0af3-4daf-912b-ef1c2f3e5816