AVIF0008 Manage safe flight operations

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 safe flight operations, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes maintaining an effective lookout, maintaining situational awareness, and assessing situations and making decisions. It also includes setting priorities and task management, and maintaining effective communications.

This unit addresses aviation non-technical skill requirements (mental, social and personal-management abilities) for 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

F – Safety 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 Maintain effective lookout	1.1 Systematic visual scan techniques are applied at a rate determined by traffic density, visibility and terrain to maintain traffic separation
	1.2 Radio listening watch is maintained and transmissions are interpreted to determine traffic location and intention
	1.3 Airspace-cleared procedures are performed before commencing any manoeuvre
2 Maintain situational awareness	2.1 All aircraft systems are monitored using a systematic scan technique
	2.2 Information is collected to facilitate ongoing system management
	2.3 Flight environment is monitored for deviations from planned operations
	2.4 Flight environment information is collected to update planned operations
3 Assess situations and make decisions	3.1 Problems affecting flight performance are identified and analysed
	3.2 Potential solutions to flight performance problems are identified
	3.3 Potential solutions and risks are assessed
	3.4 Course of action is determined and communicated to flight crew, passengers and/or other personnel, as required
	3.5 Tasks are allocated and actioned to implement optimal course of action outcomes
	3.6 Tasks are monitored for progress against determined course of action
	3.7 Plan is re-evaluated as required to achieve optimal outcomes

4	**Set priorities and manage tasks**	4.1	Task workload and priorities are organised to ensure optimum outcome of the flight
		4.2	Events and tasks are planned to occur sequentially
		4.3	Events and tasks are anticipated to ensure sufficient opportunity for completion
		4.4	Technology is used to reduce workload and improve cognitive and manipulative activities
5	**Maintain effective communication and interpersonal relationships**	5.1	Effective and efficient communication and interpersonal relationships are established and maintained with all stakeholders to ensure optimum flight outcome
		5.2	Objectives are defined and explained to stakeholders
		5.3	Appropriate levels of assertiveness are applied that ensure the optimum completion of a 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

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