Australian Government

AVIW0026 Conduct night vision imaging system 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 conduct night vision imaging system (NVIS) operations in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes preparing for, conducting and concluding NVIS operations as an individual flight crew member.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to equipment and system operations of flight crew/s 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.

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	Performance criteria describe the performance needed to

outcomes.

demonstrate achievement of the element.

1	Prepare for NVIS operations	1.1	Pre-flight information is obtained and prepared to identify safe flight routes, weather and operating terrain
		1.2	Aviation risk management processes are implemented to minimise risk to safety of flight, personnel and equipment
		1.3	NVIS lighting limitations/considerations are reviewed
		1.4	Crew briefing is delivered or received about NVIS operational objectives
		1.5	NVIS equipment is obtained and pre-operational checks are completed in accordance with organisational policies and procedures
		1.6	Aircraft NVIS sensors, aids and equipment serviceability preparatory and adjustments are completed, and defects are identified and reported in accordance with organisational policies and procedures
2	Conduct NVIS operations	2.1	NVIS equipment and personal flight equipment are used to safely operate aircraft systems
		2.2	Instrumentation and/or NVIS checks are completed at appropriate times to identify visual clues
		2.3	Night vision human factors are monitored and corrective action taken as required in accordance with organisational policies
		2.4	Reconnaissance of operational area is completed to ensure aircraft safety in accordance with organisational policies
		2.5	NVIS emergency and abnormal conditions are identified and reacted to in accordance with organisational procedures and practices
		2.6	Situational awareness is maintained to ensure safety of flight, crew, personnel and equipment
		2.7	Individual flight crew coordination and management principles are implemented to ensure operational intent in accordance with organisational policies
3	Conclude NVIS operations	3.1	Post-flight analysis and debriefing is conducted in accordance with organisational policies

3.2   Post-flight documentation is completed and processed

3.3   After-use servicing is completed and identified equipment defects are reported in accordance with organisational policies

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 AVIW3026 Conduct night vision imaging system operations.

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