



Australian Government

AVIW0005 Determine meteorological factors for remote pilot aircraft 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 determine meteorological factors for remote pilot aircraft systems (RPAS) beyond visual line of sight (BVLOS) in compliance with the relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards

It includes determining aircraft meets requirements for BVLOS flight, obtaining and using current operational documents, preparing aircraft systems and monitoring during operations. It also includes determining operational requirements and programming navigation systems.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to route planning and navigation duties of flight crew 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 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

H – Route Planning and Navigation

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 Obtain and use current operational meteorological documents

1.1 Operational meteorological documents applicable to flight are obtained and checked for currency

1.2 Applicable information contained in documents for flight planning and management is interpreted and applied

2 Determine aircraft meets requirements for BVLOS operations

2.1 Aircraft requirements for BVLOS operations are determined and meet identified conditions

2.2 Flight and navigation instruments, minimum electrical lighting, navigation equipment and any other requirements fitted to aircraft are checked to ensure they are suitable and acceptable for BVLOS operations

2.3 Duration of flight is determined

2.4 Total fuel/power requirements are calculated to ensure sufficient flight duration for the task

3 Monitor operations

3.1 Operationally useful weather observations are gathered accurately

3.2 Issues with weather observations are identified and reported accurately to relevant personnel

3.3 Meteorological environment is monitored during operations

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

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