



Australian Government

AVIY0002 Operate in controlled airspace

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 operate in controlled airspace, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes applying controlled airspace procedures, and applying abnormal and emergency situation response procedures.

This unit addresses aviation technical skill requirements (physical, mental and task-management abilities) related to aircraft operational duties 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.

Use for Defence Aviation is to be in accordance with relevant Defence Orders, Instructions, Publications and Regulations.

Pre-requisite Unit

Not applicable.

Competency Field

Y – Aircraft Operation and Traffic 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 Apply controlled airspace procedures	<p>1.1 Control area (CTA) and control zone (CTR) instructions for departure, climb, transition to cruise (levelling out), cruise, change of levels, descent and visual approach procedures are adhered to</p> <p>1.2 Airways clearance requirements for entering, operating in and departing from CTA and CTR are adhered to</p> <p>1.3 Adverse weather conditions affecting airways clearance maintenance are advised to appropriate air traffic services as required</p> <p>1.4 Air traffic service requirements for a change in level within CTA during routine flight are adhered to</p> <p>1.5 Class C, D and G navigational chart information is identified and interpreted for use within controlled airspace</p> <p>1.6 Separation standards between instrument flight rule (IFR) flights, and IFR and visual flight rule (VFR) flights in various classes of CTA are confirmed and applied</p> <p>1.7 Restricted and danger area separation requirements are identified and maintained</p> <p>1.8 Class C, D and G radio and navigation aid frequencies are identified and used within controlled airspace</p> <p>1.9 Aircraft IFR/VFR separation requirements are maintained</p> <p>1.10 Aircraft altitude and tracking tolerances when operating on an airways clearance are maintained</p> <p>1.11 CTA protection tolerances are maintained</p> <p>1.12 Radar vectoring procedures, including radio procedures and phraseologies, are implemented as required through air traffic services instruction</p> <p>1.13 Airways clearance requirements for operating in all classes of airspace, including lead time required for flight plan submission, contents, clearance void time, and 'read back' requirements are complied with</p>
2 Apply abnormal and emergency situation	<p>2.1 Aircraft is configured to maintain safe operating conditions within controlled airspace requirements during abnormal and</p>

response procedures**emergency situations**

- 2.2 Aircraft position and intention broadcasts are made to local and area traffic, including air traffic services
- 2.3 Appropriate radio communication failure or emergency transponder codes during abnormal or emergency situations are selected within CTA and CTR airspace
- 2.4 Air traffic service requirements for a change in level within CTA during abnormal or emergency situations are adhered to

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>