



Australian Government

AVIY0015 Perform an aerobic sequence

Release: 1

AVIY0015 Perform an aerobatic sequence

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 perform an aerobatic sequence, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes designing an aerobatic sequence, and performing aerobatic sequences above a specified safety height.

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

AVIY4061 Perform aerobatic manoeuvres

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 Design an aerobatic sequence

- 1.1 Performance parameters are identified based on physical limitations of pilot and structural limitations of aircraft
- 1.2 Sequence of aerobatic manoeuvres is designed that meets a specified requirement
- 1.3 Practical transitions are included between aerobatic manoeuvres
- 1.4 Performance parameters are identified based on a combination of aircraft attitude, power setting, altitude and speed that provide go-no-go guidance for safe completion of all manoeuvres above safety height

2 Perform aerobatic sequences above specified safety height

- 2.1 Specified sequences of manoeuvres are completed in accordance with aerobatics design
- 2.2 Performance parameters required for safe completion of a manoeuvre are achieved prior to commencement
- 2.3 Orientation with display axis is maintained
- 2.4 Energy potential of aircraft is managed to ensure completion of manoeuvres and sequences of manoeuvres within aircraft structure and minimum height limits
- 2.5 Failure to achieve performance parameters (energy requirement) to complete a manoeuvre is recognised and aircraft is managed to regain control above safety height
- 2.6 Height at or above a specified altitude is maintained

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 but is not equivalent to AVIY4062A Perform an aerobic sequence.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=4725260a-0af3-4daf-912b-ef1c2f3e5816>