



Australian Government

AVIY5027 Perform non published instrument departure procedures

Release: 1

AVIY5027 Perform non published instrument departure procedures

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 non published instrument departure procedures, in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority and national operating standards.

It includes determining applicable standards for an instrument departure and taking off and climbing to cruising altitude/level under the Instrument Flight Rules (IFR) (non standard instrument departure [SID]/standard radar departure [SRD]).

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

Elements describe the essential outcomes.

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

1 Determine applicable standards for an instrument departure (non SID/SRD)

- 1.1 Standard take-off minima is determined in accordance with the aerodrome using aeronautical information publication (AIP)
- 1.2 Departure is planned to ensure aircraft can maintain obstacle and terrain clearance after take-off and during climb to lowest safe altitude (LSALT)
- 1.3 Ceiling minima is increased and/or track is planned to ensure terrain clearance is maintained, as required

2 Take off and climb to cruising altitude/level under the IFR (non SID/SRD)

- 2.1 Appropriate checklist items are completed and confirmed to ensure aircraft systems applicable to instrument take-off are operating correctly
- 2.2 Radios, navigation aids and flight instruments are set to desired setting prior to initiating take-off
- 2.3 Track, altitude requirements and emergency procedures are reviewed and briefed for an instrument departure
- 2.4 Climb to cruising altitude/level after take-off is achieved
- 2.5 Obstacle and terrain clearance is maintained below LSALT while intercept track is maintained within 5 nm of departure aerodrome
- 2.6 Transitions from visual meteorological conditions to actual or simulated instrument meteorological conditions are performed without loss of aircraft control
- 2.7 Radio transmissions are performed in accordance with AIP requirements
- 2.8 Separation from other traffic 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 and is equivalent to AVIY5027A Perform instrument departure - non published procedure.

Links

Companion Volume implementation guides are found in VETNet -

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