



Australian Government

AVIY5028 Perform published instrument departure procedures

Release: 1

AVIY5028 Perform 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 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 using published procedures, and taking off and climbing to cruising level using published procedures (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 using published procedures

- 1.1 Standard take-off minima is determined for the aerodrome in accordance with aeronautical information publication (AIP)
- 1.2 Plan is developed to ensure obstacle clearance requirements for take-off area
- 1.3 Aircraft performance is calculated to ensure minimum design climb gradient of SID or SRD and any additional specified gradients can be achieved

2 Take off and climb to cruising level using published procedures

- 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/systems and flight instruments are set to desired setting prior to initiating take-off
- 2.3 Track, altitude requirements and emergency procedures for SID or SRD are reviewed and self-briefed or briefed to flight crew
- 2.4 Climb to cruising altitude/level after take-off is achieved from standard take-off ceiling
- 2.5 Obstacle and terrain clearance is maintained while below lowest safe altitude (LSALT)/minimum safe altitude (MSA) to intercept track in accordance with SID or SRD requirements
- 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

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 AVIY5028A Perform instrument departure - published procedures (SID/SRD).

Links

Companion Volume implementation guides are found in VETNet -

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