



Australian Government

AVIY0050 Perform instrument arrival and standard arrival route procedures

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 perform instrument arrival and standard arrival route (STAR) procedures in compliance with relevant regulatory requirements of the Civil Aviation Safety Authority (CASA) and national operating standards.

It includes preparing for instrument meteorological conditions (IMC) arrival, conducting IMC arrival to instrument approach point, and conducting IMC arrival using a STAR.

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.

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.

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| 1 Prepare for IMC arrival | <p>1.1 Applicable aerodrome weather, airfield conditions and traffic information are obtained and applied</p> <p>1.2 Descent/approach checks and briefs are completed</p> <p>1.3 Approach and landing configurations are established appropriate for the runway and meteorological condition</p> |
| 2 Conduct IMC arrival to instrument approach point | <p>2.1 Ground track is maintained to ensure subsequent instrument approach or traffic pattern can be flown, taking into account any obstructions and air traffic control (ATC) instructions</p> <p>2.2 Obstacle clearance minima are maintained in accordance with aeronautical information publication (AIP) and/or ATC instructions</p> <p>2.3 Existing wind conditions are verified making corrections for drift to maintain a precise ground track</p> <p>2.4 Stabilised approach is maintained within specified airspeed and rate of descent tolerances</p> <p>2.5 Approach point is intercepted in accordance with AIP requirements for commencing selected instrument approach</p> |
| 3 Conduct IMC arrival using a STAR | <p>3.1 Current chart for STAR to be flown is selected and navigation systems are configured</p> <p>3.2 Approach applicable to runway being used for landing is correctly executed</p> <p>3.3 Aircraft is correctly manoeuvred from an inbound route to a fix at or near the destination aerodrome, using navigation aids and transition to an approach as instructed by ATC</p> <p>3.4 Obstacle clearance minima are maintained in accordance with AIP and/or ATC instructions</p> <p>3.5 Aircraft is manoeuvred within tolerance specified in AIP</p> <p>3.6 ATC instructions amending STAR procedure are correctly implemented</p> |

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 AVIY0022 Perform instrument arrival and standard arrival route procedures.

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>