



Australian Government

Assessment Requirements for AVIY0045

Conduct a 3D instrument approach

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.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions on at least one occasion and include:

- adapting to differences in equipment and operating environment in accordance with standard operating procedures
- applying precautions and required action to minimise, control or eliminate identified hazards
- applying relevant aeronautical knowledge
- applying relevant legislation and workplace procedures
- communicating effectively with others
- completing relevant documentation
- determining 3D approach procedure applicable minima for aircraft
- determining conditions permitting descent below minima
- identifying and correctly using equipment required to conduct a 3D instrument approach
- implementing contingency plans
- implementing work health and safety (WHS) procedures and relevant regulations
- interpreting 3D instrument approach procedure chart
- modifying activities depending on workplace contingencies, situations and environments
- monitoring aid signal integrity
- monitoring and anticipating operational problems and hazards and taking appropriate action
- monitoring work activities in terms of planned schedule
- operating electronic communications equipment to required protocol
- performing systematic scan techniques
- reading, interpreting and following relevant regulations, instructions, procedures, information and signs
- reporting and/or rectifying identified problems promptly in accordance with regulatory requirements and workplace procedures
- selecting and using required personal protective equipment (PPE) conforming to industry and WHS standards
- selecting approach and determining applicable minima
- setting local or area QNH at appropriate stages of flight
- working collaboratively with others.

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements, performance criteria and range of conditions and include knowledge of:

- conducting 3D instrument approach, including:
 - instrument landing system (ILS)
 - microwave landing system (MLS)
 - global navigation satellite system (GNSS) with ground-based augmentation (GBA)
 - required navigation performance (RNP)-lateral navigation (LNAV)/vertical navigation (VNAV) barometric (baro) and RNP localizer performance with vertical guidance (LPV) (Wide Area Augmentation System [WAAS]) as required
- abnormal operations and emergencies procedures during an approach, including navigation aid failure
- adjustment to baro-determined minima for temperature effect
- automation and flight management system (FMS) management for low-visibility operations
- Civil Aviation Safety Regulation (CASR) Part 61 Manual of Standards (MOS) Schedule 3 Aeronautical Knowledge relevant to instrument flight operations
- contaminated runway operations
- equipment redundancy during low-visibility operations
- low-visibility operations and environmental limitations
- runway markings and lighting
- runway visual range (RVR) versus slant visual range (SVR)
- temperature effects on altimeter
- types of approach lighting systems
- use of and precautions with approach slope indicators.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must occur in workplace operational situations. Where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

Resources for assessment must include access to:

- a range of relevant exercises, case studies and/or simulations
- acceptable means of simulation assessment

- applicable documentation, including workplace procedures, regulations, codes of practice and operation manuals
- relevant materials, tools, equipment and PPE currently used in industry.

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>