



Australian Government

**Assessment Requirements for AVIY5036
Conduct a 3D instrument landing system
instrument approach**

Release: 1

Assessment Requirements for AVIY5036 Conduct a 3D instrument landing system instrument approach

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 and performance criteria 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 conditions permitting descent below minima
- determining instrument landing system (ILS) approach procedure applicable minima for aircraft
- identifying and correctly using relevant equipment
- implementing contingency plans
- implementing work health and safety (WHS)/occupational health and safety (OHS) procedures and relevant regulations
- interpreting and following operational instructions and prioritise work
- interpreting ILS instrument approach procedure chart
- modifying activities depending on workplace contingencies, situations and environments
- 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 clothing and equipment conforming to industry and WHS/OHS standards
- setting local or area barometric pressure adjusted for sea level (QNH) at appropriate stages of flight

- working collaboratively with others
- working systematically with required attention to detail without injury to self or others, or damage to goods or equipment.

Knowledge Evidence

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

- abnormal operations and/or emergency procedures for an ILS approach, including navigation aid failure
- adjustment to baro determined minima for temperature effect
- automation and flight management system (FMS) management for low-visibility operations
- CASR Part 61 Manual of Standards Schedule 3 Aeronautical Knowledge relevant to instrument flight operations
- contaminated runway operations
- emergency procedures
- equipment redundancy during low-visibility operations
- ILS instrument approach procedures and limitations, including the minimum system components required to conduct an approach
- limitations, errors, warnings and messages of a global navigation satellite system (GNSS)
- loss of radio communication during an ILS approach procedure
- low-visibility operations and environmental limitations
- missed approach procedures for an ILS approach
- principles of operation of a GNSS
- procedure for joining the circuit from an ILS approach
- procedures for adjusting controls to optimise equipment operation
- procedures for managing and controlling hazardous situations
- radio procedures for an ILS approach
- relevant sections of national and state or territory regulatory requirements and codes of practice
- relevant WHS/OHS and environmental procedures and regulations
- requirements applicable to pilots and equipment for GNSS operations
- runway markings and lighting
- runway visual range (RVR) versus slant visual range (SVR)
- sector entry join procedures for entering the holding pattern of an ILS approach
- sources of information on differences in equipment and related standard operating and servicing procedures
- steps involved in planning work activities
- temperature effects on altimeter

- tracking tolerance and altitude limitations for flying a published distance measuring equipment (DME) arc of an ILS approach procedure
- types of approach lighting systems
- use of and precautions for approach slope indicators.

Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the *Standards for Registered Training Organisations* current at the time of assessment.

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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.

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

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 personal protective equipment currently used in industry.

Links

Companion Volume implementation guides are found in VETNet -

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