



Australian Government

Assessment Requirements for AVIY3075 Control remote pilot aircraft systems in normal flight

Release: 1

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Modification History

Release 1. This is the first release of this qualification in the TLI Transport and Logistics 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 legislation and workplace procedures
- applying the techniques of straight and level, climbing and descending flight
- communicating effectively with others when controlling the remote pilot aircraft systems (RPAS) in normal flight, including using a radio
- 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 prioritising work
- maintaining compliance with regulatory requirements
- maintaining separation between air traffic
- 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 various functions simultaneously as required
- reading, interpreting and following relevant regulations, instructions, procedures, information and signs
- remaining within a designated area while complying with airspace and air traffic requirements
- reporting and/or rectifying identified problems promptly, in accordance with regulatory requirements and workplace
- responding appropriately to cultural differences
- selecting and using required personal protective equipment conforming to industry and WHS/OHS standards
- using instruments to monitor RPAS performance

- working collaboratively with others when controlling the RPAS in normal flight, including when using a radio
- 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, performance criteria and range of conditions and include knowledge of:

- aeronautical decision-making processes
- effect of angle of bank and load factor on stall speeds as applicable
- effect of wind on RPAS flight path
- effective communications
- error management, including error types, causes and consequences
- fatigue risk management
- functions and effects of all RPAS controls
- go-around/position hold procedures
- human performance and its limitations, including the senses, memory and situational awareness
- in a Defence context, relevant Defence Orders and Instructions
- post launch checks
- pre-recovery checks
- principles of aerodynamics
- procedures for setting power in engines
- relevant sections of Civil Aviation Regulations and Orders
- RPAS circuit patterns and procedures
- stress, workload and time pressure management
- use of autopilot/flight director functions
- use of instruments to monitor RPAS performance
- use of navigation sensors and equipment
- use of trim controls
- WHS/OHS and environmental procedures and regulations.

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