



Australian Government

Assessment Requirements for AVIY0028 Operate remotely piloted aircraft in excluded category sub-2 kg operations

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 and performance criteria on at least one occasion and include:

- adjusting altitude and power to achieve required Remotely Piloted Aircraft System (RPAS) altitude, configuration to achieve straight and level flight, and descent rate
- assessing risks and implementing risk controls
- completing RPAS climb
- completing pre-departure checks, including one or more of the following:
 - global positioning system (GPS) lock
 - loitering
 - control inputs to hover
 - controls checked, including return to home
- conducting landing appropriate to RPAS type with allowance for environmental conditions
- following Civil Aviation Safety Authority (CASA) standard operating conditions and regulations
- identifying and managing hazards
- identifying and communicating abnormal and/or emergency situations
- implementing appropriate abnormal or emergency actions
- maintaining airspace awareness
- monitoring current and forecast weather conditions
- observing flight path during ascent and descent
- operating a RPAS during normal flight, including launch, maintaining a straight line, turning, descending, landing and responding to indications of height change
- operating the RPAS within CASA regulations for excluded category
- performing post-landing checks
- planning for flight and effects of wind velocity, adverse environmental conditions and contingency actions
- recording pre-operating inspection where applicable
- checking relevant CASA approved apps
- stopping an RPAS within designated area
- transcribing applicable flight time records.

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:

- actions in event of lithium battery fire
- approved CASA apps
- appropriate post-flight documentation, including:
 - incident reporting
 - damage reports
 - flight logs
- environmental considerations, including:
 - noise and wildlife considerations
 - populated and unpopulated areas
- factors affecting directional control of RPAS
- functions and effects of all RPAS controls
- functions and effects of RPAS software control systems
- manufacturers' specifications for operating an RPAS
- pre-launch and after launch checks
- relevant air space classification
- relevant sections of Civil Aviation Safety Regulations and Civil Aviation Orders related to sub-2 kg drones for business use - excluded category required flight documentation
- RPAS performance limitations
- relevant CASA regulations for RPAS registration, licensing and certification
- safe transport of lithium batteries on commercial aircraft
- standard operating conditions of operating in the excluded category
- work health and safety (WHS) requirements related to RPAS.

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 a simulated workplace operational situation that reflects workplace conditions.

Flight time must include a range of distances, heights and tasks within visual line of sight that allows the student to demonstrate competence.

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 exercise 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 (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>