Assessment Requirements for AVIY0023 Launch, control and recover a remotely piloted aircraft

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the 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 (SOPs)
- applying launch procedures in accordance with flight manual
- applying precautions and required action to minimise, control or eliminate identified hazards
- applying relevant legislation
- applying the techniques of straight and level, climbing and descending flight
- carrying out correct procedures in a go-around/position hold
- checking and monitoring fail-safe functions
- communicating effectively with others when controlling the remote pilot aircraft systems (RPAS) in normal flight, including using a radio
- communicating effectively with others when recovering RPAS
- complying with air traffic instructions and regulatory requirements
- exercising sound judgment when performing recovery procedures
- identifying and correctly using relevant equipment
- identifying obstructions or other hazards that might hinder a safe launch
- implementing contingency plans
- implementing work health and safety (WHS) procedures and relevant regulations
- interpreting and following operational instructions and prioritising work
- interpreting wind speed and direction
- 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
- monitoring radio as a listening watch
- operating electronic communication 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 air traffic requirements

- reporting and/or rectifying any identified problems promptly in accordance with regulatory requirements and workplace procedures
- responding appropriately to cultural differences
- selecting and using required personal protective equipment (PPE) conforming to industry and WHS standards
- using instruments and displays to monitor RPAS performance
- working collaboratively with others when operating the RPAS
- 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:

- aeronautical decision-making processes
- air traffic requirements
- all pre-launch and after-launch checks
- effective communication
- error management, including error types, causes and consequences
- factors affecting directional control of RPAS
- fatigue risk management
- functions and effects of all RPAS controls
- human performance and its limitations, including the senses, memory and situational awareness
- in a Defence context, relevant Defence Orders and Instructions
- launch emergency procedures
- manufacturer specifications for operating a RPAS
- obstacle clearance techniques
- principles of RPAS aerodynamics
- problems that may occur when launching an RPAS and appropriate actions that should be taken in each case
- purpose and functions of RPAS
- relevant sections of Civil Aviation Safety Regulations (CASRs) and Civil Aviation Orders
- relevant WHS and environmental procedures and regulations
- required documentation
- RPAS launch performance
- stress, workload and time pressure management.

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