Assessment Requirements for AVIW3037 Manage remote pilot aircraft systems pre- and post-flight actions

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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:

- accessing and applying relevant regulations, orders and information to the performance of the required planning, pre- and post-flight administrative functions
- adapting to differences in equipment and operating environment in accordance with standard operating procedures
- applying air safety practices and regulations
- applying precautions and required action to minimise, control or eliminate identified hazards
- applying relevant legislation and workplace procedures
- applying relevant remote pilot aircraft systems (RPAS) aeronautical knowledge
- communicating effectively with others
- completing relevant documentation
- complying with flight authorisations
- conducting maintenance and flight briefings
- identifying and correctly using equipment required when managing pre- and post-flight actions
- 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
- modifying activities depending on workplace contingencies, situations and environments
- monitoring and anticipate operational problems and hazards and taking appropriate action
- monitoring work activities in terms of planned schedule
- operating electronic communications equipment to required protocol
- performing input and downloading of data from flight planning systems
- reporting and/or rectifying problems, faults or malfunctions promptly, in accordance with workplace procedures
- securing RPAS post operation
- selecting and using relevant equipment required when managing pre- and post-flight actions
- selecting and using required personal protective equipment conforming to industry and WHS/OHS standards

- understanding and meeting the obligations placed on a remote pilot with regard to all inspections
- 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, performance criteria and range of conditions and include knowledge of:

- aeronautical decision-making processes relevant to RPAS operations
- aircraft maintenance release requirements and procedures for intended flight
- checklist use and procedures
- effective communication
- error management, including error types, causes and consequences
- fatigue management
- flight specific reports including incident reporting
- human factors applicable to RPAS operations
- human performance and its limitations, including the senses, memory and situational awareness
- inspection procedures including rectification actions
- minimum equipment list for applicable RPAS
- pre- and post-flight planning administration procedures including flight authorisations
- relevant Australian Standards
- relevant sections of Civil Aviation Safety Regulations (CASRs) and Civil Aviation Orders related to RPAS operations
- relevant WHS/OHS and environmental procedures and regulations
- risk identification, analysis and control
- stress, workload and time pressure management.

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 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 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-ef1c2f 3e5816