



Australian Government

**Assessment Requirements for AVIZ0005
Apply situational awareness in remote pilot
aircraft systems 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, 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 (SOPs)
- applying aviation safety management system policies and procedures for remote pilot aircraft systems (RPAS) flight
- applying precautions and required action to minimise, control or eliminate identified hazards
- managing tasks, including:
 - visual line of sight
 - visual meteorological conditions
- applying relevant legislation and workplace procedures
- communicating effectively with others
- completing relevant documentation
- identifying and correctly using required equipment
- implementing aviation risk management processes in RPAS contexts
- implementing contingency plans
- implementing work health and safety (WHS) procedures and relevant regulations
- interpreting and following operational instructions and prioritising work
- maintaining all necessary communications
- maintaining compliance with WHS and regulatory requirements
- 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
- reading, interpreting following relevant regulations, instructions, procedures, information and signs
- reporting and/or rectifying identified problems that may occur promptly in accordance with regulatory requirements and workplace procedures
- responding appropriately to cultural differences in the workplace
- selecting and using appropriate instruments, displays, communications equipment and aids

- selecting and using required personal protective equipment (PPE) conforming to industry and WHS standards
- sourcing and interpreting aviation weather forecast products appropriate to flight planning and navigation procedures
- transferring RPAS control between crew members as required
- 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:

- factors relevant to the safe progress of a flight, including:
 - air traffic in the vicinity of a RPAS
 - becoming lost
 - changes in wind and weather conditions at destination
 - changes in wind and weather conditions en route
 - engine or equipment malfunction or failure
 - errors in navigation
 - exceeding nominated operating parameters and tolerances for RPAS
 - instrument or display malfunction or failure
 - running out of fuel/energy
 - security threat at RPAS control station
- aeronautical communication procedures and protocols
- aeronautical decision-making processes
- air navigation techniques applicable to RPAS operations
- air traffic rules and procedures
- effective communication
- error management, including error types, causes and consequences
- fatigue risk management
- human performance and its limitations, including the senses, memory and situational awareness
- in a Defence context, relevant Defence Orders and Instructions
- operational hazards that may be identified when managing situational awareness and ways of controlling those hazards and associated risks
- principles of flight relevant to RPAS operations
- problems that may occur when managing situational awareness and action that can be taken to overcome these problems
- procedures for maintaining situational awareness
- procedures for transferring RPAS control between crew members
- 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
- RPAS energy source usage rates
- stress, workload and time pressure management
- use of navigational computers and equipment.

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>