Assessment Requirements for AVIH3019 Navigate remote pilot aircraft systems

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
- applying aviation risk management processes to remote pilot aircraft systems operations
- applying precautions and required action to minimise, control or eliminate identified hazards
- applying relevant aviation legislation and workplace procedures
- applying relevant remote pilot aircraft systems aeronautical knowledge
- identifying and correctly using relevant equipment
- implementing contingency plans
- implementing work health and safety (WHS)/occupational health and safety (OHS) procedures and relevant regulations
- maintaining compliance with regulatory requirements
- modifying activities depending on workplace contingencies, situations and environments
- monitoring and anticipating operational problems and hazards and taking appropriate action
- monitoring RPAS endurance
- monitoring work activities in terms of planned schedule
- operating radio communications equipment to required protocol
- performing navigational functions within the parameters of applicable regulations, orders and operations manual procedures
- reading, interpreting and following relevant regulations, instructions, procedures, information and signs
- reporting and/or rectifying problems, faults or malfunctions promptly, in accordance with workplace procedures
- selecting and using required personal protective equipment conforming to industry and WHS/OHS standards
- sourcing and interpreting aviation weather forecast products and services as appropriate
- utilising aviation safety management systems during RPAS operations
- working collaboratively with others when navigating remote pilot aircraft (RPA)
- 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 navigation techniques applicable to RPAS operations
- characteristics of different visual chart types
- chart reading techniques
- controlled airspace requirements
- effective communication
- error management, including error types, causes and consequences
- factors affecting RPAS endurance
- human performance and its limitations, including the senses, memory and situational awareness as relevant to RPAS operations
- identification and navigational tolerances of control area (CTA), control zone (CTR), prohibited, restricted and danger (PRD) areas
- limitations of RPAS navigation systems
- potential impacts of specific weather phenomena on RPAS operations
- principles of operation of RPAS navigation systems
- relevant sections of Civil Aviation Safety Regulations (CASRs) and Civil Aviation Orders applicable to RPAS operations
- relevant WHS/OHS and environmental procedures and regulations
- risk management processes applicable to RPAS operations
- 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 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.education.gov.au/Pages/TrainingDocs.aspx?q=4725260a-0af3-4daf-912b-ef1c2f3e5816