Assessment Requirements for AVIY4056 Conduct airborne rappelling 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:

- applying precautions and required action to minimise, control or eliminate identified hazards
- assessing suitability of airborne rappelling location and surrounds
- attaching and security checking ropes to airborne rappelling device
- briefing crew and airborne rappelling supervisor in accordance with workplace procedures
- communicating helicopter safety hazards, wind speed and direction, approach and overshoot paths
- communicating rappelling operation progress in accordance with workplace procedures
- completing airborne rappelling attachment device pre-flight serviceability checks
- completing relevant documentation
- conducting deployment checks prior to rope deployment
- conducting fitting checks of rappeller personnel protective equipment in accordance with established procedures
- conducting serviceability pre-flight checks of helicopter and airborne rappelling attachment device
- deploying ropes and rappellers, and recovery/release of ropes in accordance with workplace procedures
- determining wind speed and direction
- following relevant legislation and workplace procedures
- identifying, communicating and diagnosing rappelling emergencies in accordance with workplace procedures
- implementing contingency plans
- monitoring work activities in terms of planned schedule
- operating airborne rappelling attachment device
- operating and adapting to differences in communications equipment in accordance with established procedures
- performing weight calculations
- planning own work, predicting consequences and identifying improvements
- providing clearance for aircraft departure once all ropes are clear or secured
- reading, interpreting and following relevant regulations, instructions, procedures, information

and signs

- reporting and/or rectifying identified problems, faults or malfunctions promptly, in accordance with established procedures
- taking actions in a remedial and/or emergency situation in accordance with aircraft flight manuals, organisational policy and workplace procedures
- using communication skills for helicopter control
- 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:

- airborne rappelling attachment device capabilities and limitations
- airborne rappelling emergency procedures
- airborne rappelling risk assessment principles
- airborne rappelling techniques
- airborne rappelling verbal/non-verbal communication procedures
- approved operational procedures and processes for different airborne rappelling operations
- correct airborne rappelling safety equipment configuration
- helicopter approach and overshoot considerations
- helicopter capabilities and limitations as defined in aircraft publications/documentation
- procedures and protocols for using communication systems during an emergency
- relevant regulations, legislation, organisational policy and procedures
- typical problems that may occur when conducting airborne rappelling operations, and appropriate actions and solutions
- work health and safety (WHS)/occupational health and safety (OHS) issues applicable to rappelling operations, aircraft and personnel safety.

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.

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