



Australian Government

Assessment Requirements for AVIY0093 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 of equipment use and serviceability and personnel currency in accordance with workplace procedures
- conducting deployment checks prior to rope deployment in accordance with workplace procedures
- conducting fitting checks of rappeller personnel protective equipment (PPE) in accordance with workplace 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
- operating airborne rappelling attachment device
- operating and adapting to differences in communications equipment in accordance with workplace procedures
- performing weight calculations
- providing clearance for aircraft departure once all ropes are clear or secured
- reporting and/or rectifying identified problems, faults or malfunctions promptly in accordance with workplace procedures

- taking actions in a remedial and/or emergency situation in accordance with aircraft flight manuals, workplace policies and 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:

- rappelling personnel characteristics, including:
 - experience of personnel (advanced and beginners)
 - size
 - variations in rappelling equipment to be worn
 - weight
- airborne rappelling attachment device capabilities and limitations
- airborne rappelling equipment
- airborne rappelling supervisory personnel
- airborne rappelling emergency procedures, including:
 - aircraft emergencies
 - rappelling equipment/personnel snagged in trees/obstacles
 - rappelling equipment malfunction
 - rappelling personnel unable to detach from rope/s
- airborne rappelling risk assessment principles
- airborne rappelling techniques
- airborne rappelling verbal and 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 and documentation
- helicopter safety hazards
- procedures and protocols for using communication systems during an emergency
- relevant regulations, legislation, organisational policy and procedures
- work health and safety issues applicable to rappelling operations, aircraft and personnel safety.

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 it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that replicate 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
- applicable documentation, including workplace procedures, regulations, codes of practice and operation manuals
- relevant materials, tools, equipment and PPE currently used in industry.

Links

Companion Volume Implementation Guides are found in VETNet' -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=4725260a-0af3-4daf-912b-ef1c2f3e5816>