



Australian Government

Assessment Requirements for AVIY0067 Conduct airborne extraction 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
- applying relevant helicopter aeronautical knowledge
- attaching and security checking extraction equipment
- briefing crew and supervisor in accordance with workplace procedures
- communicating extraction operation progress in accordance with workplace procedures
- communicating helicopter safety hazards, wind speed and direction, approach and overshoot paths
- communicating to pilot, information relevant to aircraft vertical/horizontal position
- completing airborne extraction equipment pre-flight serviceability checks
- completing relevant documentation
- determining and calculating extraction zone characteristics and dimensions
- determining wind speed and direction
- directing personnel to attach and detach from extraction equipment in accordance with workplace procedures
- following relevant legislation and workplace procedures
- identifying, communicating and diagnosing airborne extraction emergencies in accordance with workplace procedures
- implementing contingency plans
- monitoring work activities in terms of planned schedule
- operating and adapting to differences in communications equipment in accordance with established procedures
- performing operational personnel/equipment weight calculations
- planning own work, predicting consequences and identifying improvements
- reading, interpreting and applying relevant regulations, legislation, policies and procedures
- 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:

- extraction personnel characteristics. including:
 - experience of personnel (advanced and beginners)
 - size
 - variations in extraction equipment to be worn
 - weight
- airborne extraction emergency procedures
- airborne extraction supervisor, including:
 - airborne team leader
 - airborne safety officer
 - aircrewman
 - chalk commander
 - drop master
 - loadmaster
 - observer
 - rescue crewman
- airborne extraction equipment capabilities, correct configuration and limitations, including:
 - attachment devices
 - caving ladder
 - eye goggles
 - head protection
 - hearing protection
 - rappelling attachment device
 - rappelling gloves
 - rappelling harness
 - suspended extraction ropes
- airborne extraction risk management processes
- airborne extraction safety and configuration
- airborne extraction verbal/non-verbal communication procedures
- aircraft earthing procedures
- approved operational procedures and processes for different airborne extraction operations

- helicopter approach and overshoot considerations
- helicopter capabilities and limitations as defined in aircraft publications/documentation
- helicopter safety hazards, including:
 - fauna
 - flora
 - foreign object damage (FOD)
 - loss of visual reference
 - man-made structures
 - meteorological conditions
 - other aircraft
 - ship movements
 - ship structures and rigging
 - smoke
- procedures and protocols for using communication systems during an emergency
- airborne extraction emergencies, including:
 - aircraft emergencies
 - extraction equipment/extracted personnel snagged in trees/obstacles
 - extraction equipment malfunction
 - extracted personnel unable to detach from rope
- relevant regulations, legislation, organisational policy and procedures
- typical problems that may occur when conducting airborne extraction operations, and appropriate actions and solutions
- work health and safety (WHS) issues applicable to extraction 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 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 (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>