



Australian Government

Assessment Requirements for AVIW0016 Rappel from a helicopter

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 organisational tactics, techniques and procedures
- applying precautions and required action to minimise, control or eliminate identified hazards
- approaching and exiting helicopter in a safe manner in accordance with workplace procedures and/or flight crew instructions
- adopting rappel exit positions, including:
 - forward exit
 - 'L' position
 - other doorway rappel exit positions in accordance with operator SOP
- communicating effectively with others, including:
 - hand signals
 - interpersonal communications
 - radio
- completing relevant documentation
- conducting individual in-flight safety checks, including:
 - equipment checks
 - rappelling equipment checks
 - personal protective equipment (PPE) checks
 - seatbelt/restraint device
- conducting rappel, operational and safety equipment individual pre-flight and in-flight checks
- descending landing in a controlled manner in accordance with workplace procedures
- following relevant legislation and workplace procedures
- identifying, operating and controlling rappelling and operational equipment
- implementing contingency plans
- implementing work health and safety (WHS) procedures and relevant regulations
- maintaining situational awareness when conducting rappelling operations

- modifying activities depending on workplace contingencies, situations and environments, including:
 - climate and weather variations
 - geographical and geological variations including sloping and unstable ground
 - variations due to vegetation and urban structures
 - ground conditions, including dust and other particles
- monitoring and anticipating operational problems and hazards and taking appropriate action
- monitoring work activities in terms of planned schedule
- operating helicopter restraint, safety and emergency equipment
- reading, interpreting and following relevant regulations, instructions, procedures, information and signs
- reporting and/or rectifying identified problems promptly in accordance with regulatory requirements and workplace procedures
- selecting and using required PPE conforming to industry and WHS standards, including:
 - eye protection goggles
 - footwear
 - hearing protection
 - helmet
 - high visibility clothing
 - leg bags
 - life jacket
 - personal lighting and beacons
 - protective clothing
 - rappelling gloves
- working collaboratively with others
- working systematically with required attention to detail without injury to self, 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:

- assembly point or marshalling area
- characteristics of helicopters, including safety features and operating requirements
- hazards that exist when rappelling from a helicopter, including:
 - buildings
 - dust
 - livestock
 - masts/aerials
 - native fauna

- poor visibility
- public
- terrain
- trees
- vehicles
- weather conditions
- wire/power lines/fences
- in a Defence context, relevant Defence Orders and Instructions
- manufacturer instructions for equipment used for rappelling from a helicopter
- problems that may occur when rappelling from a helicopter
- aircraft and emergency rappelling contingency procedures, including:
 - aircraft collision
 - aircraft crash landing
 - aircraft fire
 - aircraft malfunction prior to take-off
 - damaged or kinked rope
 - emergency landing procedures
 - emergency retrieval of rappeller/s
 - engine failure over landing site
 - in a Defence context – procedures to evade hostile action against aircraft or self
 - loss of rappel control during descent
 - loss of visibility
 - rappeller collision with others or obstacles
 - rappeller hang-up
 - rappeller lost brake
 - rappeller injury on landing
 - rappeller inversion
 - rappeller lost balance during transition (premature exit)
 - rappelling rope caught in tree
- relevant Australian Standards
- relevant information/documents, including:
 - induction and training materials
 - operations manuals
 - workplace procedures and instructions, and job specification
- relevant legislation, regulations, organisational policy and procedures in relation to rappelling from a helicopter
- relevant WHS and environmental procedures and regulations
- risks that exist when rappelling from a helicopter
- operational and rappel safety equipment operation, including:
 - commercial in-service rappelling harness

- communications equipment
- descending device/s
- descent rope
- improvised tubular webbing harness
- incident response equipment
- individual load carrying equipment (ILCE)
- military equipment relevant to rappelling operation
- search and rescue 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>