



Australian Government

Assessment Requirements for AVIW0014

Be airborne extracted using suspended extraction equipment

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 individual equipment safety checks, including:
 - operational equipment
 - harness and ascender
 - personal protective equipment (PPE) checks
- operating security devices, including:
 - chest ascender
 - winch collar
- applying organisational tactics, techniques and procedures
- applying precautions and required action to minimise, control or eliminate identified hazards, including one or more of the following:
 - buildings
 - dust
 - livestock
 - masts/aerials
 - native fauna
 - poor visibility
 - public
 - terrain
 - trees
 - vehicles
 - weather conditions
- wire/power lines/fences ascending suspended equipment and emplaning aircraft in accordance with supervisor or aircrew instructions
- conducting aircraft emergency and suspended extraction contingency procedures must include one or more of the following:

- aborted operation
- aircraft collision
- aircraft crash landing
- aircraft fire
- aircraft malfunction prior to take-off
- collision with others or obstacles
- damaged or kinked rope
- emergency landing procedures
- engine failure over landing site
- extraction equipment caught in obstacles
- in a Defence context – procedures to evade hostile action against aircraft or self
- loss of visibility
- communicating effectively with others, including:
 - interpersonal communications
 - radio
 - hand signals
- completing relevant documentation
- identifying, operating and controlling applicable operational equipment
- implementing contingency plans
- implementing work health and safety (WHS) procedures and relevant regulations
- maintaining situational awareness during suspended extraction 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 extraction and operational equipment stability during extraction
- monitoring work activities in terms of planned schedule
- observing helicopter safety, including safe approach and exit
- 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
- 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:

- characteristics of helicopters, including their safety features and operating requirements
- hazards that exist when being airborne extracted using suspended extraction equipment
- in a Defence context, relevant Defence Orders and Instructions
- manufacturer instructions for equipment used for airborne extraction using suspended extraction equipment
- problems that may occur when being airborne extracted using suspended extraction equipment
- 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 airborne extraction using suspended extraction equipment
- relevant WHS/OHS and environmental procedures and regulations
- risks that exist when being airborne extracted using suspended extraction equipment
- suspended extraction procedures, including:
 - normal
 - abnormal
 - emergency
- suspended extraction safety equipment operation, including:
 - casualty evacuation equipment
 - casualty evacuation litter
 - caving ladder
 - commercial in-service rappelling harness
 - communications equipment
 - improvised tubular webbing harness

- mechanical friction device and lanyard
- military equipment relevant to airborne extraction operation
- rope attachment device (locking karabiner)
- search and rescue equipment
- winch.

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>