



Australian Government

Assessment Requirements for AVIY0065

Conduct external load-lift 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
- applying relevant legislation and workplace procedures
- completing aerial delivery equipment assembly
- completing relevant documentation
- determining wind speed and direction
- identifying and using required communications technology
- implementing contingency plans
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring work activities in terms of planned schedule
- operating aerial delivery equipment
- operating and adapting to differences in communications equipment in accordance with standard operating procedures (SOPs)
- performing weight calculations
- planning own work, predicting consequences and identifying improvements
- reading, interpreting and following relevant regulations, instructions, procedures, information and signs
- reporting and/or rectifying identified problems, faults or malfunctions promptly in accordance with 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:

- approach and overshoot considerations
- approved operational procedures and processes for different external load-lifting operations
- cargo hook system and aerial delivery equipment capabilities and limitations
- Civil Aviation Safety Regulation (CASR) Part 61 Manual of Standards (MOS) Schedule 3 Aeronautical Knowledge relevant to helicopter external load operations
- correct aerial delivery equipment configuration
- external load characteristics, including:
 - dangerous goods
 - dimensions
 - fragility
 - non-dangerous
 - rigging requirements
 - size
 - weight
- aerial delivery equipment, including:
 - cargo nets
 - chains
 - clevis assemblies
 - D rings
 - drogue chutes
 - firefighting buckets
 - hooks
 - lifting slings
 - pallets
 - pendant assemblies
 - rigging cordage
 - semi-rigid strops
 - shackles
 - single link assemblies
 - strops
 - swivel assemblies
- external load-lifting safety and configuration
- external load-lifting emergency procedures
- external load-lifting risk assessment principles
- external load-lifting verbal/non-verbal communication procedures
- external load operational emergencies and abnormal situations, including:
 - communications system failure
 - helicopter electrical or mechanical system failure or malfunction
 - inadvertent release of external load

- inflight external load instability
- helicopter capabilities and limitations
- aircraft safety hazards, including:
 - fauna
 - flora
 - man-made structures
 - meteorological conditions
 - other aircraft
 - ship structures and rigging
 - ship movements
 - smoke
 - terrain
- organisational policies and procedures for load-lifting operations
- practices concerning external load-lifting operations
- procedures and protocols for using communications systems during an emergency
- typical problems that may occur when conducting external load-lifting operations and appropriate action and solutions
- work health and safety (WHS) issues applicable to 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>