



Australian Government

Assessment Requirements for AVIY0066 Conduct hoisting 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 crew resource management (CRM) principles
- applying precautions and required action to minimise, control or eliminate identified hazards
- applying relevant helicopter aeronautical knowledge
- applying relevant legislation and workplace procedures
- assembling hoisting equipment
- communicating effectively with others
- completing relevant documentation
- deploying and redeploying hoist cable to full length, including:
 - in-ground effect
 - out-of-ground effect
- determining wind speed and direction
- identifying and using required communications technology
- implementing contingency plans
- maintaining situational awareness
- modifying activities depending on operational contingencies, risk situations and environments
- monitoring work activities in terms of planned schedule
- operating and adapting to differences in communications equipment in accordance with standard operating procedures (SOPs)
- operating hoist and associated primary and alternate hoist controls
- operating hoisting accessories
- 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 conning
- 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:

- abnormal/emergency situations and responses
- aircraft approach and overshoot considerations
- aircraft control voice and communications procedures
- aircraft safety, including day and night considerations
- approved operational procedures and processes for different hoisting operations
- aviation risk management processes
- Civil Aviation Safety Regulation (CASR) Part 61 Manual of Standards (MOS) Schedule 3 Aeronautical Knowledge relevant to helicopter operations
- correct hoist and equipment configuration
- CRM principles
- helicopter capabilities and limitations
- hoisting equipment, including:
 - double lift harness
 - emergency slings
 - extension strop
 - hi-line transfer equipment
 - rescue litter
 - rescue net
 - rescue sling/strop
 - rope harness sling
 - single rescue sling
 - stretchers
 - transfer equipment and message bag
- hoisting operations, including:
 - hi-line transfer
 - litter kit/equipment deployment/redeployment
 - personnel deployment/redeployment
 - rescue equipment deployment/redeployment
 - stores deployment/redeployment
- hoist capabilities and limitations
- hoist emergency procedures, including:
 - aircraft electrical/mechanical failure
 - aircraft malfunction

- aircraft system failure
- communications equipment failure
- fouled cable
- fouled hoist
- hoist equipment malfunction
- hoistee incapacitation
- intercom system failure during hoisting operations
- operator incapacitation
- runaway hoist
- hoisting considerations within a range of operational environments, including:
 - bushfire affected areas
 - confined areas
 - forest/bush
 - mountainous areas
 - over water
 - over land
 - pinnacles
 - ship/boat transfers
- meaning of non-verbal communications signals relevant to aircraft hoist configuration, including:
 - aircraft go-around
 - all clear
 - boom in/out
 - cease movement
 - come up/down
 - emergency descent
 - hoist in/out
 - hoist up/down
 - move left/right
 - ready to be hoisted
 - stop hoisting
- organisational policy and procedures for conducting hoisting operations
- typical problems that may occur and actions and appropriate solutions
- work health and safety (WHS) issues applicable to hoisting operations.

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>