



Australian Government

**Assessment Requirements for AVIY0051
Conduct helicopter landing site and
unprepared helicopter landing site
operations**

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Modification History

Release 1. This is the first release of this qualification in the TLI Transport and Logistics 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:

- assessing helicopter flight performance calculations
- applying risk management principles and initiating required actions to identify, minimise, control or eliminate identified hazards
- communicating adjustments to aircraft flight profile to applicable/responsible flight crew member as required in an efficient and effective manner
- communicating, collaborating and interacting effectively with others
- completing relevant documentation
- identifying and assessing vertical, horizontal and relative spatial distances in relation to the aircraft fuselage, rotor system, mission and/or operational stores and equipment, with regard to potential obstacles to the safety of flight
- identifying and using required communications technology
- identifying hazardous and/or dangerous situations that pose risks to safety of flight and personnel
- implementing contingency plans
- interpreting and following aircraft documentation
- interpreting and following operational instructions and prioritising work
- 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)
- planning own work including predicting consequences and identifying improvements
- reacting appropriately to avoid hazardous situations and/or dangerous situations that pose risks to safety of flight and personnel
- 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

- 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:

- flight performance calculations, including:
 - aircraft configuration
 - aircraft weight
 - engine power
 - environmental conditions
 - fuel
 - speed
- aviation risk management processes
- helicopter positions considerations, including:
 - aircraft lateral drift during hover sequences
 - altitude
 - heading/yaw orientation
 - rate of closure (relative speed)
 - rate of descent or climb (relative speed)
 - rate of turn related to flight obstacles
- helicopter landing site (HLS)/unprepared helicopter landing site (UHLS) operating environment, including:
 - over land or over sea
 - prepared or unprepared rotary wing aircraft landing sites
 - urban, rural, mountainous, desert and wilderness operational environments
- operational requirements, including:
 - emergency medical services (EMS)/search and rescue (SAR) task and mission support
 - fire-fighting operations
 - formation flight by day/night
 - hoisting
 - internal/external load lift missions
 - maritime support tasking
 - media operations
 - VIP and general passenger transport
- communication procedures and terminologies applicable to conduct HLS/UHLS operations
- helicopter capabilities and limitations
- helicopter dimensions
- helicopter power and performance data factors

- HLS/UHLS operational and safety procedures
- abnormal and emergency situations, including:
 - abnormal or emergency situations related to aircraft, crew or mission factors
 - aircraft fuselage or rotor system obstacle strike
 - aircraft system malfunction or failure
 - bird/bat strike
 - degraded or loss of situational awareness
 - degraded/restricted visibility due to meteorological effect
 - ineffective crew resource management
 - loss of internal/external aircraft communications
 - loss of situational awareness, internal and external to the aircraft
 - personal equipment failure
- procedures for operating electronic communications equipment and required protocol
- safety hazards and obstacles, including:
 - aircraft system malfunction and/or failure
 - ambient light (sun/moon position)
 - cultural lighting
 - fuselage strike
 - HLS/UHLS area surface conditions
 - maritime environment, including sea state, vessels and weather
 - moon luminance
 - other aircraft
 - personnel within the vicinity of HLS/UHLS operations
 - rotor blade strike
 - urban environment structures, both man-made and natural edifices
 - rural environment elements, including man-made structures, terrain and wildlife
 - undetected proximity to ground obstacles
 - wilderness environment including vegetation, terrain and wildlife
- relevant work health and safety (WHS) and environmental protection procedures and guidelines.

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>