



**Australian Government**

# **Assessment Requirements for AVIY0011 Conduct maintenance test flight activities**

**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 and performance criteria on at least one occasion and include:

- applying aviation risk management principles to maintenance test flight activities
- applying relevant aeronautical knowledge
- applying threat and error management principles to maintenance test flight activities
- assisting pilot in command as required with pre- and post-flight inspections including components that have been affected by maintenance activities
- communicating effectively with others
- identifying and justifying a decision to operate an aircraft during test flight activities
- identifying, analysing and rectifying problems associated with operating aircraft during test flight activities
- liaising with crew and/or maintenance personnel during test flight activities
- 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
- reviewing and interpreting flight test schedules, instructions, procedures and relevant information
- setting local or area barometric pressure adjusted for sea level (QNH) at appropriate stages of flight.

## **Knowledge Evidence**

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

- actions to be conducted following a forced landing over or at sea during test flight activities
- applicable checklist items
- application of test flight management and handling techniques:
  - normal procedures

- abnormal situation procedures
- emergency procedures
- aviation maintenance documentation:
  - interpreting aircraft servicing and maintenance periods
  - analysing aircraft maintenance history
  - recording flight test results and test data
- crew and/or pilot responsibilities during test flight sequences
- emergency radio procedures
- hazards and risks when conducting maintenance test flight activities and procedures, and precautions for controlling the risks
- local air traffic control procedures and instructions
- problems that may occur when executing advanced helicopter manoeuvres and procedures, and appropriate action that should be taken in each case
- relevant sections of aviation maintenance regulations and orders
- relevant sections of aviation safety regulations and orders
- task and workload management during maintenance test flight activities
- test flight schedules:
  - interpreting flight test requirements
  - determining appropriate flight test sequences.

## Assessment Conditions

As a minimum, assessors must satisfy applicable regulatory requirements, which include requirements in the *Standards for Registered Training Organisations* current at the time of assessment.

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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.

Assessment must occur in workplace operational situations. Where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions.

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 currently used in

industry.

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=4725260a-0af3-4daf-912b-ef1c2f3e5816>