



Australian Government

Assessment Requirements for AVIW0019 Operate aircraft push-out tug

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 precautions and required action to minimise, control or eliminate identified hazards, including:
 - dust
 - jet blast
 - noise
 - other vehicles in the vicinity of aircraft
 - personnel in the vicinity of aircraft
- applying relevant legislation and workplace procedures
- communicating effectively with others
- completing relevant documentation
- conducting pre-operational checks, including:
 - battery charge
 - fluid levels
 - fuel level
 - visual inspection for faults or defects
- conducting aircraft ground manoeuvres, including one or more of the following:
 - movement of a defective aircraft
 - movement of an aircraft around an airport
 - push-out of an aircraft from a gate
 - transport of an aircraft to/from a hanger
- identifying and correctly using relevant equipment
- implementing contingency plans
- implementing work health and safety (WHS) procedures and relevant regulations
- interpreting and following operational instructions and prioritise work
- modifying activities depending on workplace contingencies, situations and environments

- monitoring and anticipating operational problems and hazards and taking appropriate action
- monitoring work activities in terms of planned schedule
- operating electronic and radio communications equipment to required protocol
- 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 personal protective equipment (PPE) conforming to industry and WHS standards, including:
 - hearing protection
 - protective clothing
 - safety gloves
 - safety footwear
- 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:

- emergency procedures
- features and differences in operating characteristics for various types of aircraft push-out tugs in operation at Australian airports
- layout of airport and location of aircraft gates and equipment storage areas
- manufacturer instructions for checking and operating tug concerned
- people to consult about tug operations, including:
 - aircrew
 - aircraft schedulers
 - ground support staff
 - other members of baggage handling and ramp teams
 - supervisors, team leaders and managers
 - technical staff
- principles of tug operation as required by relevant licensing authority
- problems that may occur when operating a tug and appropriate action that should be taken in each case
- relevant Australian Standards
- relevant information/documents, including:
 - conditions of service, legislation and industrial agreements, including workplace agreements and awards
 - flight schedules and gate allocations

- induction and training materials
- licence requirements of relevant authorities
- local instructions relevant to aircraft tug operations
- manufacturer specifications and instructions for tug being operated
- pre- and post-operation checklists
- tug logs/records
- tug operational checklists
- workplace instructions and job specification
- relevant local instructions for tug operation
- aircraft push-out tugs, including one or more of the following:
 - aircraft push-back tug
 - aircraft tow motor
 - aircraft tow tractor
 - push back power unit (PPU)
 - tow tug (aircraft)
- aircraft push-out tug, including:
 - diesel engine tugs
 - electric battery-operated tugs.
- relevant sections of Civil Aviation Safety Regulations (CASRs) and Civil Aviation Orders related to ground operations
- relevant WHS and environmental procedures and regulations
- risks that exist when operating a tug and related risk control procedures and precautions
- selection and correct fitment of PPE
- workplace procedures for operating an aircraft push-out tug.

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>