



Australian Government

Assessment Requirements for PUA FIR309 Operate pumps

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the PUA Public Safety Training Package.

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements, performance criteria and range of conditions on at least one occasion and includes

- accessing static and reticulated water supplies
- applying Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) organisational requirements
- concluding pump operations
- implementing organisational procedures
- maintaining appropriate levels of pressure
- monitoring levels of water in appliance tank to ensure minimum levels for crew protection
- monitoring supply of foam concentrate
- observing personnel and pumping throughout incident
- operating a pump including using gauges and controls, positioning and priming
- preparing pump to deliver water
- providing and maintaining water supply to branch operators
- pumping without injury to personnel or damage to equipment
- responding to changing circumstances
- supplying or delivering correct proportion of foam and water
- supplying water to a location by use of a relay pump
- using ancillary equipment to support pump operations

Knowledge Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy all the requirements of the elements, performance criteria and range of conditions and includes knowledge of

- ancillary equipment used to support delivery of foam and/or water
- determination of water supply capacity and suitability
- discharge and flow rates
- jet reaction
- organisational documentation, policies and procedures
- power train for pump

- principles of hydraulics
- principles of hydraulic flow and pressure, priming and operating pumps, pump components and their operation and pump gauges and/or controls
- pump positioning
- relay pumping including when to use and how it is done
- static and reticulated water supply and their use in pumping operations
- types of primer and their use in pumping operations
- types of foam concentrate, pumps and primers and foam agents and equipment
- Work, Health and Safety (WHS)/Occupational Health and Safety (OHS) organisational requirements including risk mitigation

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 industry approved 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
- relevant and appropriate materials, equipment, tools and personal protective clothing and equipment currently used in industry including
 - a range of pumps
- applicable documentation including organisational procedures, industry standards, equipment specifications, regulations, codes of practice and operation manuals.

Links

PUA Training Package Companion Volume Implementation Guide is found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=3eca5672-6d5a-410b-8942-810d0ba05bbf>