



Australian Government

Assessment Requirements for MEM18072 Manufacture fluid conveying conductor assemblies

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM18072B Manufacture fluid conveying conductor assemblies

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria on at least two (2) occasions and include:

- following work instructions, standard operating procedures (SOPs) and safe work practices
- identifying and interpreting tables and charts, equipment specifications, circuit and schematic diagrams and obtaining relevant data with respect to manufacturing fluid conveying conductor assemblies
- preparing and assembling conductors using appropriate tools and equipment to specifications and industry standards
- performing pressure testing on fluid conveying assemblies and individual components and identifying faulty items and confirming failure or potential to fail and carrying out appropriate remedial action
- testing and verifying correct operation of components to ensure compliance to manufacturer and industry standards using appropriate test equipment and rigs
- completing routine reports and certification procedures.

Knowledge Evidence

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

- safe work practices and procedures and use of personal protective equipment (PPE)
- conductor materials and fittings for a range of applications and media (fluid types)
- methods for preparation of different conductors, including hose and pipe assemblies
- different methods for assembling hose and pipe assemblies
- dismantle and repair procedures
- operational function and characteristics of fluid conveying installation and application category types
- industry standards and manufacturer specifications
- procedures to assemble, clean, test and assess operation
- fluid power conveying principles, procedures and safety requirements.

Assessment Conditions

- Assessors must:
 - have vocational competency in manufacturing fluid conveying conductor assemblies at least to the level being assessed with relevant industry knowledge and experience
 - satisfy the assessor requirements in the *Standards for Registered Training Organisations 2015* or its replacement and comply with the *National Vocational Education and Training Regulator Act 2011*, its replacement or equivalent legislation covering VET regulation in a non-referring state/territory as the case requires
- Where possible assessment must occur in operational workplace situations. Where this is not possible or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment that reflects realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications
- 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.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>