



Australian Government

Assessment Requirements for MEM18106 Terminate communication and data cables

Release: 2

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Modification History

Release 2. Prerequisite units updated

Release 1. New unit

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, SOPs and safe work practices
- identifying and interpreting specifications, data sheets, legislative requirements and statutory regulations and obtaining relevant data with respect to terminating signal and data cables
- identifying cables and conductors and label in accordance with requirements, procedures and regulations
- maintaining the minimum bend radius of the cable according to manufacturer specifications
- preparing and terminating cables using appropriate tools and techniques to specifications
- testing terminations for compliance with specifications
- using the proper cable management hardware to support the in-place cables and relieve tension
- fixing/securing cables in accordance with 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 PPE
- legislative requirements and statutory regulations, including ACA Technical Standards AS/ACIF008, AS/ACIF009, SAA Communications Cabling Manual (Open), AS/NZS 3000:2007 Electrical installations (known as the Australian/New Zealand Wiring Rules) and Telecommunications Act 1997
- test equipment, techniques and procedures to be used to identify cables and conductors
- labelling requirements and procedures for labelling cables and conductors
- minimum bend radius for communication and data cables
- termination requirements, specifications and procedures, tools and techniques for preparing and terminating cables
- procedures for testing cables and terminations

- factors that influence selection of fixing/securing techniques, including cable management hardware.

Assessment Conditions

Assessors must:

- have vocational competency in terminating communication and data cables 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* and comply with the *National Vocational Education and Training Regulator Act 2011* or equivalent legislation covering VET regulation in a non-referring State 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 that 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 manufacturer 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>