



Australian Government

Assessment Requirements for MEM13016 Work in hazardous areas

Release: 2

Assessment Requirements for MEM13016 Work in hazardous areas

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
- obtaining the relevant work permits and informing appropriate personnel prior to commencing work
- identifying and interpreting hazardous layout drawings and interpreting markings of hazardous areas classifications relevant to the work to be undertaken
- identifying hazards specific to hazardous areas and implementing appropriate risk control measures
- checking and testing equipment to ensure functionality of equipment
- identifying defective or unsuitable equipment and sourcing replacement items with the correct equipment certification
- carrying out adjustments or permitted repairs using appropriate tools, equipment and techniques in accordance with procedures and specifications
- ensuring all completed work and testing complies with the relevant EEHA standard along with equipment conformity certificate requirements and special conditions
- documenting all inspection and maintenance work in accordance regulatory requirements and SOPs.

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
- history and reasoning behind the EEHA Standards and accreditation creation
- aspects of hazardous area classification regarding zoning, gas group and temperature class
- markings of classifications on technical drawings
- situations which may alter the source of release conditions, thereby affecting the classification of an area
- hazards specific to hazardous areas
- different methods of protection, including:
 - Ex-d

- Ex-e
- Ex-n
- Ex-l
- Ex-p
- Ex-m
- relationship between the classification ratings of the equipment to the classification ratings of the area
- importance of earthing
- testing and certifying bodies, including International Electrotechnical Commission (IEC), Ex, ATEX, AUSEx, CSA and Fm
- documentation required for inspections.

Assessment Conditions

Assessors must:

- have vocational competency in working in hazardous areas 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>