



Australian Government

Assessment Requirements for MEM25011 Install marine systems

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to MEM25011B Install marine systems

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 specifications, supporting documentation and Australian Standards to install marine systems
- checking and preparing site for correct location, dimensions and levels and preparing surfaces, materials and components for installation
- installing engine/plant components and ancillary equipment in accordance with procedures and manufacturer's specifications
- levelling, aligning, coupling and connecting engine/plant (excluding electrical connections) in accordance with procedures and manufacturer specifications
- testing engine/plant and ancillary equipment for correct operation using appropriate test equipment
- interpreting operational data of engine/plant and ancillary equipment, faults from built-in fault indicators and error codes and localising fault condition to major component level
- analysing test results against specifications for faults and planning remedial action and recording/documenting action plan.

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)
- equipment used to check various site features and their use
- marine systems, specifications, applications and non-compliance procedures
- relevant codes and standards
- fixing/fastening methods components
- levelling, alignment, coupling and connection requirements
- relevant person(s) for making electrical connections
- cleaning and clearing requirements
- waste disposal obligations and regulations
- reporting and recording requirements

- operational requirements/specifications of engine/plant and ancillary equipment and testing procedures and principles
- normal operating characteristics of engine/plant and ancillary equipment
- faults and malfunctions and error indications in built-in devices
- methods of determining fault condition and procedures for reporting faults
- causes/faults in engine/plant and ancillary equipment
- procedures for recording/documenting corrective maintenance activity.

Assessment Conditions

- Assessors must:
 - have vocational competency in installing marine systems 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>