Australian Government

Assessment Requirements for MARE001 Communicate effectively when performing engineering duties

Release: 1

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Modification History

Release 1. New unit of competency.

Performance Evidence

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

- assessing own work outcomes and maintain knowledge of current codes, standards, regulations and industry practices
- communicating effectively verbally and in writing
- identifying and interpreting numerical and graphical information in marine engineering publications
- identifying, collating and processing information required to prepare verbal and written reports
- imparting knowledge and ideas as required through oral, written and visual means
- interpreting documentation related to marine engineering operations
- maintaining effective records
- reading and interpreting written information needed to perform basic marine engineering tasks
- resolving misunderstandings in written and verbal communication
- using computer and relevant equipment to enter, access and retrieve engineering information
- using established marine engineering vocabulary as required.

Knowledge Evidence

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

- established engineering practice for the operation, checking, maintenance and repair of marine plant, machinery, equipment and systems
- established written, verbal and non-verbal marine engineering communication practices
- marine engineering communication techniques, including barriers to effective communication and how to overcome them
- national and international regulations, International Maritime Organization (IMO) Conventions and Codes, including Australian Maritime Safety Authority (AMSA) Marine Orders applicable to the operation, maintenance and repair of plant, machinery and equipment on vessels of unlimited propulsion power
- principles of effective communication

- protocols and procedures for communicating with others on board vessels
- relevant industrial award requirements as they relate to shipboard engineering personnel responsibilities, obligations and entitlements
- relevant work health and safety (WHS)/occupational health and safety (OHS) legislation, codes of practice, policies and procedures
- standard nautical vocabulary as described in IMO Standard Marine Communication Phrases
- techniques for communicating effectively with a multilingual crew
- tools typically available for communication between bridge, engine control room and main engine room
- typical communication problems and appropriate action and solutions
- work health and safety (WHS)/occupational health and safety (OHS) requirements and work practices.

Assessment Conditions

Assessors must satisfy National Vocational Education and Training Regulator (NVR)/Australian Quality Training Framework (AQTF) assessor requirements.

Assessment must occur in workplace operational situations where it is appropriate to do so; where this is not appropriate, assessment must occur in simulated workplace operational situations that reflect workplace conditions.

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.

Resources for assessment must include access to:

- tools, equipment, machinery, materials and personal protective equipment currently used in industry
- applicable documentation such as legislation, regulations, codes of practice, workplace procedures and operational manuals
- range of relevant exercises, case studies and/or simulations.

Links

Companion Volume implementation guides are found in VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=772efb7b-4cce-47fe-9bbd-ee3b1d1eb4c2