Assessment Requirements for MARF035 Contribute to fire prevention and firefighting (basic firefighting)

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Modification History

Release 1. This is the first release of this unit of competency in the MAR Maritime Training Package.

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:

- applying extinguishing media to fire
- applying safe working practices at all times
- assisting in the setting up and use of foam making equipment
- correctly donning and using self-contained breathing apparatus (SCBA) while undertaking fire extinguishment and rescue in a heated smoke-filled compartment
- correctly donning and using SCBA while undertaking a drill in a smoke-filled compartment
- correctly using fireman's outfit
- entering and moving through a compartment filled with high expansion foam with the aid of a lifeline and without breathing apparatus
- extinguishing a fire with a fire blanket
- logging SCBA wearers correctly on a control board
- operating charged hose-lines and nozzles
- operating portable firefighting extinguishers
- performing after-use maintenance on SCBA
- working effectively with team members when responding to a fire.

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:

- actions to be taken:
    - in an emergency
    - onboard ship
- alarms and signals during onboard emergencies
- firefighting activities, including:
    - boundary control
    - containing the spread of fire
    - evacuation of casualties from heated smoke-filled environments

- extinguishment
- overhaul/fire watch
- chemistry of fire, including the fire tetrahedron and its relationship to materials typically found on vessels
- classification of fire and applicable extinguishing agents
- correct use of lifesaving appliances and firefighting appliances
- different classes of fire, their characteristics and strategies and equipment needed for their extinguishment
- elements of fire and explosion (the fire triangle)
- extinguishing media, including firefighting foams
- fire and smoke detection and automatic alarm systems
- fire hazards types and sources of ignition
- firefighting tactics, techniques and procedures
- flammable materials, fire hazards and spread of fire
- hazards and threats to life or health during onboard firefighting operations
- lifeline signals
- location of firefighting appliances and emergency escape routes
- need for constant vigilance
- onboard Emergency Response Organisation and procedures
- portable fire-extinguishers
- precautions for and use of fixed installations
- principles and methods of fire extinguishment
- principles underlying the spread of fire
- purpose, function and location of fixed installations/systems
- role and responsibility of self and team members
- safe working practices
- shipboard firefighting organisation
- statutory requirements pertaining to lifesaving appliances and firefighting appliances
- types of fire detection, firefighting equipment and systems used on vessels, their features, principles of operation, procedures for their use and problems that can occur
- ventilation procedures
- vessel construction as it relates to fire prevention/protection
- work health and safety (WHS)/occupational health and safety (OHS) requirements and work practices.

Assessment Conditions

Assessors must hold credentials specified within the Standards for Registered Training Organisations current at the time of assessment.

Assessment must satisfy the Principles of Assessment and Rules of Evidence and all regulatory requirements included within the Standards for Registered Training Organisations current at the time of assessment.

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.

Practical assessment must occur in a workplace, or realistic simulated workplace, under the normal range of workplace conditions.

Simulations and scenarios may be used where situations cannot be provided in the workplace or may occur only rarely, in particular for situations relating to emergency procedures and adverse weather conditions where assessment would be unsafe, impractical or may lead to environmental damage.

Resources for assessment must include access to:

- applicable documentation, such as legislation, regulations, codes of practice, workplace procedures and operational manuals
- tools, equipment, machinery, materials and relevant personal protective equipment (PPE) currently used in industry.

Links

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