



Australian Government

MARF007 Operate survival craft and other lifesaving appliances

Release: 2

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Modification History

Release 2. ISC upgrade. KE amended to include awareness of MLC and International code of signals included in KE.

Release 1. New unit of competency.

Application

This unit involves the skills and knowledge required to comply with accepted safety practices and standards in responding to abandon ship and survival situations.

This unit applies to crew members required to assist in the operation of survival craft and other lifesaving appliances on a range of vessels.

This unit has links to legislative and certification requirements.

Pre-requisite Unit

Not applicable.

Competency Field

F – Operational Quality and Safety

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Launch survival craft and rescue boats

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1 Preparations for the launch of the survival craft or rescue boat are made according to manufacturer instructions and organisational procedures
- 1.2 Launch strategy is adopted appropriate to the prevailing circumstances and conditions
- 1.3 Launching equipment is operated according to manufacturer instructions and organisational procedures

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|---|-----|---|
| | 1.4 | Survival craft or rescue boat is launched smoothly according to accepted safety practices and standards |
| 2 Operate survival craft and rescue boats | 2.1 | Pre-start checks are conducted on the engine |
| | 2.2 | Engine is started according to manufacturer instructions and organisational procedures |
| | 2.3 | Orders are given for survivors to board the survival craft |
| | 2.4 | Survival craft is cleared of the vessel and operated according to manufacturer instructions and organisational procedures |
| | 2.5 | Survival craft is manoeuvred appropriately for the prevailing circumstances and conditions |
| 3 Operate lifesaving and survival equipment | 3.1 | Location and accessibility of all lifesaving and survival equipment is established |
| | 3.2 | Survival equipment is checked and operated according to manufacturer instructions and organisational procedures |
| | 3.3 | Lifesaving clothing is correctly donned and used according to manufacturer instructions and organisational procedures |
| | 3.4 | Strategies are implemented to counter threats to survival according to accepted survival practice |
| 4 Recover survival craft | 4.1 | Persons are disembarked from the survival craft according to organisational procedures |
| | 4.2 | Survival craft is recovered according to manufacturer instructions and organisational procedures |
| | 4.3 | Survival craft and equipment are checked for signs of damage and faulty equipment |
| | 4.4 | Identified faulty equipment or damage is reported according to organisational procedures |
| 5 Organise abandon vessel musters and drills | 5.1 | Abandon vessel musters and drills are arranged according to regulatory requirements and organisational procedures |
| | 5.2 | Instruction is provided to others on organisational procedures and the correct use of lifesaving equipment |
| | 5.3 | Musters and drills are reviewed against objectives |
| | 5.4 | Reporting obligations are completed according to regulatory requirements and organisational procedures |

5.5 Risk control processes are implemented

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Range is restricted to essential operating conditions and any other variables essential to the work environment.

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|---|---|
| Survival craft and rescue boats must include: | <ul style="list-style-type: none">• life rafts• lifeboats• rescue boats |
| Launching equipment must include: | <ul style="list-style-type: none">• cranes• davits• life raft launching and inflation equipment |
| Lifesaving and survival equipment must include: | <ul style="list-style-type: none">• immersion suits• life jackets• person overboard combination light and smoke float• portable radio equipment• pyrotechnic distress signals• search and rescue transponders (SARTs)• satellite emergency position indicating radio beacons (EPIRBs)• thermal protective aids |

- Strategies must include:
- beaching survival craft
 - deploying exposure cover on an open lifeboat
 - handling survival craft in rough weather
 - helicopter rescue from survival craft
 - maximising detect-ability of survival craft
 - preventing and treating hypothermia
 - rationing food and water
 - using rescue boat to marshal life rafts
 - using rescue boat to retrieve survivors in the sea

Unit Mapping Information

This is a new unit. This unit is equivalent to MARF3004A Operate survival craft and other lifesaving appliances.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=772efb7b-4cce-47fe-9bbd-ee3b1d1eb4c2>