Australian Government

MARF020 Coordinate search and rescue operations

Release: 1

MARF020 Coordinate search and rescue operations

Modification History

Release 1. This is the first release of this unit of competency in the MAR Maritime Training Package Release 3.0.

Application

This unit involves the skills and knowledge required to assist in planning and coordinating search and rescue operations at sea.

This unit applies to maritime workers working in the maritime industry as a Master Unlimited.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable.

Competency Field

F – Operational Quality and Safety

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1 Activate search and rescue support plan	1.1 Distress and emergency signals, and communications are recognised and evaluated
	1.2 Type of emergency, and level and nature of assistance required is assessed and its practicability is considered
	1.3 Communications are established, where possible, with the parties in distress, other vessels and relevant authorities/agencies
	1.4 Search and rescue parameters are identified based on

available information

| | 1.5 | Search and rescue strategy is developed based on all available information and after consultation with others in the established chain of command |

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1.6 Required resources are identified according to the strategy

1.7 Strategy is evaluated and reviewed as determined by the input of all information and review of available resources

1.8 Organisation and command chain with other stations involved in the search and rescue is established in collaboration with search and rescue authorities

2 Coordinate crew in search and rescue operations

2.1 Crew members are informed of the scenario and strategy

2.2 Crew members are briefed on their roles and responsibilities and the way the crew will operate, and are deployed to the required stations

2.3 Tasks are allocated to crew members according to their roles in the crew and level of competence

2.4 Confirmation is gained from crew members of their understanding of the scenario, their role and the roles of other crew members

2.5 Performance of crew members is monitored and reviewed as the scenario unfolds, to determine ongoing requirements

2.6 Directions are given to others involved in the search and rescue operation according to agreed plan and established chain of command

2.7 Manoeuvres of vessel are made according to agreed plan and with due regard to limits of the vessel and the environment

2.8 Feedback from crew members and others involved in the search and rescue operation is received and relayed to others according to agreed plan and established chain of command

3 Liaise with internal and external authorities/ agencies

3.1 Radio communication is established and maintained with all parties involved in the search and rescue operations

3.2 Briefings are provided to appropriate people according to operational procedures

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	3.3 Search and rescue progress is monitored and information is provided to internal and external authorities/agencies
	3.4 Issues are negotiated with internal and external authorities/agencies
	3.5 Resources are monitored and reviewed to meet changing requirements according to operational procedures
	3.6 Search and rescue problems/potential problems are identified and solutions are developed in liaison with internal and external authorities/agencies
	3.7 Guidance and support are provided and sought from internal and external authorities/agencies according to requirements
4 Manage communications systems	4.1 Communications systems are identified as appropriate to the situation and the strategy
	4.2 Communications systems are selected according to agreed plan and established chain of command
	4.3 Communications systems are managed to provide optimum capability
5 Conclude search and rescue support	5.1 Duration of the search and rescue operation is determined by the level of emergency
	5.2 Instructions from internal and external authorities/agencies about the duration of the search and rescue are complied with
	5.3 All information is collected and preserved
	5.4 Debrief is conducted with relevant people involved
	5.5 Items for improvement are identified and action is taken to have improvements built into support plans
6 Manage search and rescue records	6.1 Records of the search and rescue are made in the vessel log
	6.2 Other documentation is completed as required by regulatory requirements
	6.3 Reports are completed and disseminated according to organisational requirements

Foundation Skills

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

Range of Conditions

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

Type of emergency includes one or more of the following:	- ditched aircraft - person/s in distress in sea - person/s in distress in survival craft - vessel/s in distress
Information includes one or more of the following:	- agents and operators both private and commercial - government departments - members of the public - search and rescue authorities - specialist search and rescue information systems - vessel/aircraft owners - volunteer organisations
Resources include one or more of the following:	- accommodation - aircraft - Australian Defence Force/Police assets - communications systems - electronic aids - equipment - facilities - fuel - instructions - manuals - maps/charts - people - vessels

Limits of the vessel and the environment include one or more of the following:	• fuel range • limits of propulsion • prevailing weather • sea conditions • steering • vessel stability
External authorities/agencies include one or more of the following:	• aircraft • other vessels • search and rescue authorities • other parties involved in the rescue
Reports include one or more of the following:	• board reports and briefings • briefings to government • covering reports • initial advice forms • media releases • messaging systems • search and rescue logs

Unit Mapping Information

This unit replaces and is equivalent to MARF6001A Coordinate search and rescue operations.

MARF6001A replaces and is equivalent to TDMMF107B Assist in search and rescue operations.

Links

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