MAR31225 Certificate III in Autonomous Maritime Systems

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Modification History

Release	Comments
1	This qualification was first released in MAR Maritime Training Package Release 12.0.

Qualification Description

This qualification is suitable for people working in the maritime industry in the capacity of:

- Autonomous Underwater Vehicles (AUV) Operator
- Autonomous Surface Vessels (ASV) Operator
- AUV Technician
- ASV Technician

This qualification reflects the skills and knowledge required to conduct AUV and ASV operations in Near Coastal (NC) waters within the limits of the operators AMSA Certificate of Competency.

Please note: *RTO to insert on the testamur, the specialist elective unit group selected from the group choice below.*

Licensing/Regulatory Information

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

Entry Requirements

Australian Maritime Safety Authority (AMSA) certificate of competency for Coxswain Grade 1 NC as specified in MO505, or

An equivalent or higher level of achievement in the command, navigation, or operation of vessels equal to or greater than 12 metres in length in Near Coastal waters.

Packaging Rules

Total number of units

- AUV Operator = 4 units: 2 core units, plus all units from Group A
- ASV Operator = 4 units; 2 core units, plus all units from Group B
- AUV Technician = 5 units; 2 core units, all units from Group A, plus 1 unit from Group C
- ASV Technician = 5 units; 2 core units, all units from Group B, plus 1 unit from Group D

Specialisation

- AUV Operator = Certificate III in Autonomous Maritime Systems (AUV Operator)
- ASV Operator = Certificate III in Autonomous Maritime Systems (ASV Operator)
- AUV Technician = Certificate III in Autonomous Maritime Systems (AUV Technician)
- ASV Technician = Certificate III in Autonomous Maritime Systems (ASV Technician)

Core units	
MARH034	Demonstrate fundamental knowledge of Autonomous Maritime Systems (AMS) operations
MARH035	Demonstrate fundamental knowledge of Autonomous Maritime Systems (AMS)
Group A: AUV operator	
MARH040	Apply knowledge of core Autonomous Underwater Vehicles (AUV) operations
MARH042	Conduct advanced Autonomous Underwater Vehicles (AUV) operations
Group B: ASV operator	
MARH041	Apply knowledge of core Autonomous Surface Vessels (ASV) operations
MARH043	Conduct advanced Autonomous Surface Vessels (ASV) operations
Group C: AUV technician	
MARF061	Apply knowledge of Autonomous Underwater Vehicles (AUV) technical management

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	∟ MARH034 Demonstrate fundamental knowledge of Autonomous Maritime Systems (AMS) operations
	∟ MARH035 Demonstrate fundamental knowledge of Autonomous Maritime Systems (AMS)
	∟ MARH040 Apply knowledge of core Autonomous Underwater Vehicles (AUV) operations
	∟ MARH042 Conduct advanced Autonomous Underwater Vehicles (AUV) operations
Group D: ASV technician	
MARF062	Apply knowledge of Autonomous Surface Vessels (ASV) technical management
	∟ MARH034 Demonstrate fundamental knowledge of Autonomous Maritime Systems (AMS) operations
	∟ MARH035 Demonstrate fundamental knowledge of Autonomous Maritime Systems (AMS)
	∟ MARH041 Apply knowledge of core Autonomous Surface Vessels (ASV) operations
	∟ MARH043 Conduct advanced Autonomous Surface Vessels (ASV) operations

Pre-requisite Requirements

Unit of competency	Prerequisite requirement
MARF061 Apply knowledge of Autonomous Underwater Vehicles (AUV) technical management	MARH040 Apply knowledge of core Autonomous Underwater Vehicles (AUV) operations

MARH034   Demonstrate fundamental knowledge of Autonomous Maritime Systems (AMS) operations

MARH042   Conduct advanced Autonomous Underwater Vehicles (AUV) operations

MARH035   Demonstrate fundamental knowledge of Autonomous Maritime Systems (AMS) |

MARF062 Apply knowledge of Autonomous Surface Vessels (ASV) technical management	MARH034　Demonstrate fundamental knowledge of Autonomous Maritime Systems (AMS) operations MARH041　Apply knowledge of core Autonomous Surface Vessels (ASV) operations MARH035　Demonstrate fundamental knowledge of Autonomous Maritime Systems (AMS) MARH043　Conduct advanced Autonomous Surface Vessels (ASV) operations

Qualification Mapping Information

Current Code and Title	Previous Code and Title	Comments	Equivalence
MAR31225 Certificate III in Autonomous Maritime Systems	MAR31222 Certificate III in Autonomous Maritime Systems	This qualification replaces and is equivalent to MAR31222 Certificate III in Autonomous Maritime Systems.	Equivalent

Links

Companion volumes, including implementation guides, are found in TGA - https://training.gov.au/training/details/MAR/summary

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