

MAR Maritime
TRAINING PACKAGE
Version 10
WA NOMINAL HOURS GUIDE

Introduction

This Guide has been generated to enable the stakeholders in this Industry in Western Australia to participate in the managed implementation of the National MAR Maritime Training Package.

This Guide is designed to aid Registered Training Organisations (RTOs) to convert from existing Training Package qualifications to new Training Package qualifications within the scope of their training delivery.

The Guide should be read in conjunction with the endorsed components of the Training Package

Version 10 of the MAR Maritime Training Package was released by Training.Gov.Au (TGA) on the 20/12/2022

Transition Arrangements

Registered Training Organisations (RTOs) are required to deliver Training Package qualifications in accordance with the Standards for RTOs. For further information visit the Training Accreditation Council website www.tac.wa.gov.au

Nominal Hours

Nominal hours are the hours of training notionally required to achieve the outcomes of units of competency.

Nominal hours are identified for nationally endorsed qualifications. Nominal hours may vary for a qualification depending on the selection of units of competency.

In Western Australia, nominal hours are used as a mechanism for funding allocation.

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Qualifications and Nominal Hours

The following table provides a summary of the qualifications and nominal hours in the training package.

National Code	National Title	Nominal Hours
MAR10220	Certificate I in Maritime Operations (General Purpose Hand Near Coastal)	150
MAR10418	Certificate I in Maritime Operations (Coxswain Grade 2 Near Coastal)	247
MAR20121	Certificate II in Maritime Operations (Linesperson)	258
MAR20321	Certificate II in Maritime Operations (Coxswain Grade 1 Near Coastal)	350
MAR20421	Certificate II in Maritime Operations (Marine Engine Driver Grade 3 Near Coastal)	347
MAR30022	Certificate III in Vessel Traffic Services	249
MAR30122	Certificate III in Marina Operations	405
MAR30220	Certificate III in Maritime Operations (Integrated Rating)	651
MAR30320	Certificate III in Maritime Operations (Marine Cookery)	301
MAR30821	Certificate III in Maritime Operations (Marine Engine Driver Grade 2 Near Coastal)	432
MAR30921	Certificate III in Maritime Operations (Master up to 24 metres Near Coastal)	413
MAR31021	Certificate III in Maritime Operations (Master Inland Waters)	278
MAR31222	Certificate III in Autonomous Maritime Systems	195
MAR40121	Certificate IV in Maritime Operations (Chief Integrated Rating)	786
MAR40220	Certificate IV in Maritime Operations (Marine Engine Driver Grade 1 Near Coastal)	709
MAR40320	Certificate IV in Maritime Operations (Master up to 45 metres Near Coastal)	521
MAR50120	Diploma of Marine Engineering	1283
MAR50320	Diploma of Maritime Operations	839
MAR60120	Advanced Diploma of Marine Engineering (Class 1)	1065
MAR60220	Advanced Diploma of Maritime Operations (Master Unlimited)	1247

Skill Sets and Nominal Hours

The following table provides a summary of the skill sets and nominal hours in the training package.

National Code	National Title	Nominal Hours
MARSS00004	Marine Emergency Care, Craft and Communication Skill Set	175
MARSS00006	Marine Engineering Class 3 Near Coastal Shipboard Safety Skill Set	125
MARSS00008	Shipboard Safety Skill Set	77
MARSS00009	Australian Territorial Waters VHF Radio Operator's Skill Set	20
MARSS00010	Marine Radio Operator's VHF and HF Skill Set	25
MARSS00011	Marine Radio Operator's VHF Skill Set	14
MARSS00012	Fast Rescue Craft Operations Skill Set	40
MARSS00013	Cargo Handling Skill Set	55
MARSS00014	Anchor Handling and Cargo Operations Skill Set	75
MARSS00015	Marine Dogging and Rigging Skill Set	90
MARSS00016	Tanker Familiarisation Skill Set	100
MARSS00017	Coxswains Grade 1 Skill Set	83
MARSS00018	Marine Dogging Skill Set	55
MARSS00019	Marine Rigging Skill Set	35
MARSS00020	Able Seafarer - Deck Skill Set	142
MARSS00021	Able Seafarer - Engine Skill Set	55
MARSS00022	Advanced Chemical Tanker Cargo Operations Skill Set	35
MARSS00023	Advanced Liquefied Gas Tanker Cargo Operations Skill Set	35
MARSS00024	Advanced Oil Tanker Cargo Operations Skill Set	35
MARSS00025	Advanced Operations for Ships in Polar Waters Skill Set	40
MARSS00026	Advanced Operations for Ships Subject to IGF Code Skill Set	35
MARSS00027	Basic Operations for Ships in Polar Waters Skill Set	25
MARSS00028	Basic Operations for Ships Subject to IGF Code Skill Set	20

MARSS00029	Chief Integrated Rating Skill Set	135
MARSS00030	Global Maritime Distress Signal Radio Operators Skill Set	109
MARSS00031	Marine Engineering Workshop Skills Equivalent Skill Set	130
MARSS00032	Operate Roll-On and Roll-Off Equipment Skill Set	115
MARSS00033	Safety Training Certification Skill Set	89
MARSS00034	Ship Security Officer Skill Set	25
MARSS00035	Assist Marine Towage Operations Skill Set	50
MARSS00036	Basic Operations for Dynamic Positioning Skill Set	145
MARSS00037	Compass Adjuster Limited Skill Set	70
MARSS00038	Compass Adjuster Unlimited Skill Set	135
MARSS00039	Dynamic Positioning Operator Skill Set	200
MARSS00040	Perform Marine Towage Operations Skill Set	85
MARSS00041	Plan Marine Towage Operations Skill Set	60
MARSS00042	Dredging Familiarisation Skill Set	40
MARSS00043	Engine Room Watch Rating Skill Set	55
MARSS00044	Navigational Watch Rating Skill Set	77
MARSS00045	Autonomous Maritime Systems (AMS) Fundamentals Skill Set	50
MARSS00046	Autonomous Underwater Vehicles (AUV) Technician Skill Set	45
MARSS00047	Autonomous Surface Vessels (ASV) Technician Skill Set	45

Units Of Competency and Nominal Hours

The following table provides a summary of the units of competency and nominal hours in the training package.

National Code	National Title	Nominal Hours
MARA011	Contribute to basic operations of ships in polar waters	25
MARA012	Contribute to basic cargo operations on liquefied gas tankers	50
MARA013	Contribute to basic cargo operations on oil and chemical tankers (basic oil and chemical)	50
MARA014	Contribute to basic operations of a ship subject to IGF Code	20
MARA015	Contribute to safe anchor handling and towing operations	20
MARA016	Contribute to safe cargo operations on offshore support vessels	55
MARA017	Maintain seaworthiness of the ship (ship stability)	60
MARA018	Manage advanced chemical tanker cargo operations	35
MARA019	Manage advanced liquefied gas tanker cargo operations	35
MARA020	Manage advanced oil tanker cargo operations	35
MARA021	Manage advanced operations of a ship subject to IGF Code	35
MARA022	Manage loading, discharging and stowing of cargo	18
MARA023	Manage trim, stability and stress of a vessel	120
MARA024	Manage vessel stability	20
MARA025	Monitor, loading, unloading, securing and stowage of cargo	45
MARB027	Perform basic servicing and maintenance of main propulsion unit and auxiliary systems	15
MARB028	Service marine internal combustion engines and propulsion and auxiliary systems	50
MARB029	Perform routine maintenance on a vessel up to 24 metres	36
MARB030	Slip or dock a vessel and maintain hull on a vessel up to 80 metres	20
MARB031	Maintain marine internal combustion engines, propulsion plant and auxiliary systems	25
MARB032	Undertake basic maintenance of electrical systems	35
MARB034	Carry out basic welding, brazing, cutting and machining operations on a coastal vessel	70
MARB035	Contribute to routine engine maintenance on a vessel	20

MARB036	Implement vessel planned maintenance system	35
MARB037	Maintain and repair bridge navigation equipment and ship communication systems	25
MARB038	Maintain and repair marine electrical and electronic equipment	50
MARB039	Maintain and repair shipboard machinery and equipment	45
MARB040	Maintain control and safety systems of hotel equipment	25
MARB041	Manage refuelling	12
MARB042	Manage reported defects, damage, repairs and maintenance of a vessel	66
MARB043	Manage stores for planned maintenance system	25
MARB044	Operate and maintain ship power systems exceeding 1,000 volts	35
MARB045	Perform routine maintenance and repairs on a vessel	35
MARB046	Plan and supervise routine maintenance on a vessel up to 80 metres	35
MARB047	Undertake maintenance of 240 to 440 voltage alternating current electrical systems	20
MARB048	Undertake maintenance of machinery, machinery systems and structural components	25
MARB049	Use internal communication systems, operate computers and computer networks on ships	45
MARB050	Adjust a magnetic compass	65
MARB051	Apply elements of magnetic compass adjusting	25
MARB052	Apply knowledge of the principles of magnetic compass adjusting	45
MARB053	Assist with routine maintenance on a commercial vessel	20
MARB054	Apply marine terminology and port procedures	25
MARB055	Maintain mooring equipment	20
MARB056	Maintain marina infrastructure	35
MARB057	Perform routine tasks in a marina	25
MARB058	Refuel a vessel	20
MARB059	Undertake basic boatyard operations	35
MARC033	Complete engine room tasks	45
MARC034	Maintain hull out of water	20
MARC035	Operate and maintain extra low and low voltage electrical systems and equipment	20

MARC036	Operate deck machinery	20
MARC037	Operate inboard and outboard motors	20
MARC038	Operate main propulsion unit and auxiliary systems	20
MARC039	Operate marine internal combustion engines, and propulsion and auxiliary systems	50
MARC040	Manage fuel systems	25
MARC041	Operate and monitor marine internal combustion engines, propulsion plant and auxiliary systems	35
MARC042	Operate electrical systems	15
MARC043	Transmit and receive information by marine radio	25
MARC044	Transmit and receive information by marine VHF radio	14
MARC045	Contribute to the operation of engine equipment and associated propulsion plant	25
MARC046	Employ tools, equipment and materials in a shipboard context	35
MARC047	Manage a propulsion unit using appropriate engine systems and support services	15
MARC048	Monitor and manage vessel operations	25
MARC049	Operate 240 to 440 voltage alternating current electrical systems	20
MARC050	Operate auxiliary machinery systems up to 1500 kW	20
MARC051	Operate deck machinery and steering gear on a vessel up to 80 metres	20
MARC052	Operate deck machinery, cargo handling gear and equipment on a vessel	20
MARC053	Operate marine internal combustion engines and associated systems up to 1500 kW	45
MARC054	Operate propulsion transmission systems up to 1500 kW	20
MARC055	Operate remote controls of propulsion plant, engineering systems and services	53
MARC056	Operate roll-on and roll-off machinery and equipment on board a vessel	25
MARC057	Perform dogging on board a vessel	55
MARC058	Perform rigging on board a vessel	35
MARC059	Transmit and receive information by marine VHF radio within Australian Territorial Waters	20
MARC060	Use and care for hand and power tools	35
MARC061	Conduct mooring operations using mechanical equipment	25
MARC062	Perform mooring operations	20

MARC063	Operate Vessel Traffic Services (VTS) equipment	25
MARD004	Manage business and administration on vessels limited by tonnage or near coastal operations	21
MARD005	Manage operations and maintenance on vessels limited by tonnage or near coastal operations	5
MARD006	Monitor and control compliance with legislative requirements	35
MARE003	Communicate during mooring operations	10
MARF027	Apply basic survival skills in the event of vessel abandonment	25
MARF028	Follow procedures to minimise and fight fires on board a vessel	25
MARF029	Meet work health and safety requirements	12
MARF030	Survive at sea using survival craft	15
MARF031	Apply leadership and team working capability	65
MARF032	Apply medical first aid on board ship	40
MARF033	Assist in an emergency response	25
MARF034	Carry out fast rescue craft operations	40
MARF035	Contribute to fire prevention and firefighting (basic firefighting)	25
MARF036	Coordinate search and rescue operations	20
MARF037	Follow vessel security procedures (security awareness training)	9
MARF038	Manage provision of medical care on board a vessel	60
MARF039	Manage safety and security of vessel, crew and passengers	45
MARF040	Manage ship security (Ship Security Officer)	25
MARF041	Observe personal safety and social responsibility (PSSR)	12
MARF042	Operate emergency equipment and apply emergency procedures	5
MARF043	Operate survival craft, rescue boats and lifesaving appliances (proficiency in survival craft)	45
MARF044	Prevent, control and fight fires on board a vessel (advanced firefighting)	40
MARF045	Provide leadership and managerial capability	35
MARF046	Survive at sea in the event of vessel abandonment and personal survival techniques (PST)	25
MARF047	Monitor compliance with legislative requirements	35
MARF048	Plan marine towage operations	35

MARF049	Follow port and terminal security procedures	20
MARF050	Follow work health and safety, and emergency procedures during mooring operations	20
MARF051	Apply communication, coordination and interactions for VTS provision	15
MARF052	Apply nautical knowledge	25
MARF053	Apply personal attributes	20
MARF054	Apply safe work practices in a marina	25
MARF055	Classify marina infrastructure, vessels and staffing structure	20
MARF056	Provide Vessel Traffic Services	125
MARF057	Respond to marina emergencies	25
MARF058	Apply knowledge of Autonomous Underwater Vehicles (AUV) technical management	45
MARF059	Apply knowledge of Autonomous Surface Vessels (ASV) technical management	45
MARG007	Manage a small crew	20
MARG008	Manage a vessel and its crew	60
MARG009	Manage an engine room and small engineering team in emergencies	35
MARG010	Supervise a crew	35
MARG012	Work as part of a crew on a commercial vessel	10
MARH013	Plan and navigate a passage for a vessel up to 12 metres	33
MARH014	Apply weather information when navigating inland waters as Master	20
MARH015	Manage and maintain a navigational watch on board vessels up to 80 metres	25
MARH016	Plan and navigate a passage for a vessel up to 80 metres	90
MARH017	Use wheelhouse equipment for safe navigation	50
MARH018	Apply command navigation procedures on vessels limited by tonnage or near coastal operations	30
MARH019	Forecast weather and oceanographic conditions	10
MARH020	Forecast weather and oceanographic conditions to plan a safe passage	50
MARH021	Manage the navigation of a vessel	50
MARH022	Plan and conduct a passage and determine position	90
MARH023	Use of electronic chart display and information system (ECDIS) to maintain the safety of navigation	40

MARH024	Use of radar and other bridge equipment to maintain safety of navigation	25
MARH025	Apply knowledge of dynamic positioning fundamentals	55
MARH026	Apply knowledge of dynamic positioning operations	25
MARH027	Apply knowledge of dynamic positioning systems	65
MARH028	Conduct dynamic positioning operations	55
MARH029	Perform marine towage operations	25
MARH030	Apply knowledge of core Autonomous Underwater Vehicles (AUV) operations	35
MARH031	Apply knowledge of core Autonomous Surface Vessels (ASV) operations	35
MARH032	Conduct advanced Autonomous Underwater Vehicles (AUV) operations	65
MARH033	Conduct advanced Autonomous Surface Vessels (ASV) operations	65
MARH034	Demonstrate fundamental knowledge of Autonomous Maritime Systems (AMS) operations	25
MARH035	Demonstrate fundamental knowledge of Autonomous Maritime Systems (AMS)	25
MARI003	Comply with regulations to ensure safe operation of a vessel up to 12 metres	35
MARI004	Observe regulations to ensure safe operation of a vessel up to 80 metres	15
MARI005	Respond to emergency situations	25
MARJ006	Follow environmental work practices	25
MARJ007	Monitor environmental management on a vessel	15
MARJ008	Ensure compliance with pollution prevention requirements	20
MARK007	Handle a vessel up to 12 metres	60
MARK008	Manoeuvre a vessel up to 24 metres within Near Coastal waters	15
MARK009	Manoeuvre a vessel up to 80 metres	21
MARK010	Manoeuvre and handle a ship in all conditions	35
MARK011	Manoeuvre the ship	35
MARK012	Steer a vessel under direction of the Master	12
MARL038	Apply advanced principles of marine electrotechnology	90
MARL039	Apply advanced principles of marine engineering thermodynamics	90
MARL040	Apply advanced principles of marine mechanics	90

MARL041	Apply advanced principles of trim, stability and stress	90
MARL042	Apply basic principles of marine electrotechnology	50
MARL043	Apply basic principles of marine engineering thermodynamics	50
MARL044	Apply basic principles of marine mechanics	50
MARL045	Apply basic principles of naval architecture	50
MARL046	Carry out engineering calculations	20
MARL047	Demonstrate advanced knowledge of marine auxiliary boilers	35
MARL048	Demonstrate advanced knowledge of marine auxiliary machinery and systems	90
MARL049	Demonstrate advanced knowledge of marine control systems and automation	90
MARL050	Demonstrate advanced knowledge of marine diesel engines and systems	90
MARL051	Demonstrate advanced knowledge of marine electrical systems	90
MARL052	Demonstrate advanced knowledge of marine steam turbines and main boilers	70
MARL053	Demonstrate advanced knowledge of ship operations and maintenance	90
MARL054	Demonstrate basic knowledge of marine auxiliary boilers	40
MARL055	Demonstrate basic knowledge of marine auxiliary machinery and equipment	60
MARL056	Demonstrate basic knowledge of marine control systems and automation	60
MARL057	Demonstrate basic knowledge of marine diesel engines and systems	60
MARL058	Demonstrate basic knowledge of marine electrical systems	70
MARL059	Demonstrate basic knowledge of marine steam turbines and main boilers	70
MARL060	Demonstrate knowledge of ships and ship routines	50
MARL061	Perform basic marine engineering calculations	35
MARN008	Apply seamanship skills aboard a vessel up to 12 metres	45
MARN009	Perform seamanship operations on board a vessel up to 24 metres	20
MARN011	Maintain seaworthiness of the ship (ship construction)	40
MARN012	Manage advanced operations of ships in polar waters	40
MARN013	Manage seaworthiness of a vessel up to 80 metres	20
MARN014	Plan and manage safe loading, unloading, securing and stowage of cargo	50

MARN015	Use seamanship skills on board a vessel	45
MARN016	Apply general purpose hand skills aboard a commercial vessel	25
MARN017	Assist with marine towage operations	25
MARN018	Contribute to basic marine dredging operations	40
MARO007	Contribute to monitoring and controlling a safe engine watch	10
MARO008	Contribute to monitoring and controlling a safe navigational watch	10
MARO009	Maintain a safe navigational watch	90
MARO011	Transmit and receive information by the Global Maritime Distress and Safety System (GMDSS)	70
MARO012	Transmit and receive information by visual signalling	15

Mapping Qualifications

The following table provides an overview of the qualifications from Version 10 which replace qualifications from the existing version of the MAR Maritime Training Package.

MAR Current Qualification				MAR Replacement Qualification		
National Code	National Title	Nominal Hours	E / NE	National Code	National Title	Nominal Hours
			-	MAR31222	Certificate III in Autonomous Maritime Systems	195

Mapping Skill Sets

The following table provides an overview of the skill sets from Version 10 which replace skill sets from the existing version of the MAR Maritime Training Package.

MAR Current Skill Set				MAR Replacement Skill Set		
National Code	National Title	Nominal Hours	E / NE	National Code	National Title	Nominal Hours
			-	MARSS00045	Autonomous Maritime Systems (AMS) Fundamentals Skill Set	50
			-	MARSS00046	Autonomous Underwater Vehicles (AUV) Technician Skill Set	45
			-	MARSS00047	Autonomous Surface Vessels (ASV) Technician Skill Set	45

Mapping Units of Competency

The following table provides an overview of the units of competency from Version 10 which replace units of competency from the existing version of the MAR Maritime Training Package.

MAR Current Unit				MAR Replacement Unit		
National Code	National Title	Nominal Hours	E / NE	National Code	National Title	Nominal Hours
			-	MARF058	Apply knowledge of Autonomous Underwater Vehicles (AUV) technical management	45
			-	MARF059	Apply knowledge of Autonomous Surface Vessels (ASV) technical management	45
			-	MARH030	Apply knowledge of core Autonomous Underwater Vehicles (AUV) operations	35
			-	MARH031	Apply knowledge of core Autonomous Surface Vessels (ASV) operations	35
			-	MARH032	Conduct advanced Autonomous Underwater Vehicles (AUV) operations	65
			-	MARH033	Conduct advanced Autonomous Surface Vessels (ASV) operations	65
			-	MARH034	Demonstrate fundamental knowledge of Autonomous Maritime Systems (AMS) operations	25
			-	MARH035	Demonstrate fundamental knowledge of Autonomous Maritime Systems (AMS)	25

Apprenticeships

The following table provides a summary of the apprenticeships that have been affected by changes in this MAR Maritime Training Package update.

Please refer to the current *Register of Class A and B qualifications* found on the Department of Training and Workforce Development website for the official list of apprenticeships in Western Australia.

National Code	National Title	Apprenticeship	Nominal Hours	E / NE	National Code	National Title	Nominal Hours
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No changes occurred between MAR v9 and v10.

Traineeships

The following table provides a summary of the traineeships that have been affected by changes in this MAR Maritime Training Package update.

Please refer to the current *Register of Class A and B qualifications* found on the Department of Training and Workforce Development website for the official list of apprenticeships in Western Australia.

National Code	National Title	Traineeship	Nominal Hours	E / NE	National Code	National Title	Nominal Hours
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No changes occurred between MAR v9 and v10.

Pre-Apprenticeships

The following table provides a summary of the pre-apprenticeships that have been affected by changes in this MAR Maritime Training Package update.

Please refer to the current *list of pre-apprenticeship courses* found on the Department of Training and Workforce Development website for the official list of pre-apprenticeships in Western Australia.

National Code	National Title	Pre-Apprenticeship	Nominal Hours	E / NE	National Code	National Title	Nominal Hours
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No changes occurred between MAR v9 and v10.