

MAR Maritime Training Package

Version 4.00

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 4.00 of the MAR Maritime Training Package was released by Training.Gov.Au (TGA) on the 24/02/2016.

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 industry.

National Code	National Title	Nominal Hours
MAR10313	Certificate I in Maritime Operations (General Purpose Hand Near Coastal)	147
MAR10413	Certificate I in Maritime Operations (Coxswain Grade 2 Near Coastal)	247
MAR20116	Certificate II in Maritime Operations (Linesperson)	230
MAR20313	Certificate II in Maritime Operations (Coxswain Grade 1 Near Coastal)	330
MAR20413	Certificate II in Maritime Operations (Marine Engine Driver Grade 3 Near Coastal)	327
MAR30115	Certificate III in Maritime Operations (Marine Engine Driver Steam)	282
MAR30116	Certificate III in Maritime Operations (Integrated Rating)	543
MAR30215	Certificate III in Maritime Operations (Marine Surveying)	237
MAR30315	Certificate III in Marina Operations	440
MAR30415	Certificate III in Maritime Operations (Marine Cookery)	301
MAR30813	Certificate III in Maritime Operations (Marine Engine Driver Grade 2 Near Coastal)	412
MAR30913	Certificate III in Maritime Operations (Master up to 24 metres Near Coastal)	393
MAR31013	Certificate III in Maritime Operations (Master Inland Waters)	258
MAR40115	Certificate IV in Maritime Operations (Marine Surveying)	387
MAR40116	Certificate IV in Maritime Operations (Chief Integrated Rating)	693
MAR40513	Certificate IV in Maritime Operations (Marine Engine Driver Grade 1 Near Coastal)	709
MAR40613	Certificate IV in Maritime Operations (Master up to 35 metres Near Coastal)	521
MAR50115	Diploma of Maritime Operations (Engineer Watchkeeper)	936
MAR50215	Diploma of Maritime Operations (Marine Surveying)	400
MAR50315	Diploma of Maritime Operations (Watchkeeper Deck)	901
MAR50415	Diploma of Maritime Operations (Master up to 500 GT)	1017
MAR50613	Diploma of Maritime Operations (Marine Engineering Class 3 Near Coastal)	566
MAR50713	Diploma of Maritime Operations (Master up to 80 metres Near Coastal)	817

MAR60115	Advanced Diploma of Maritime Operations (Marine Engineering Class 2)	922
MAR60215	Advanced Diploma of Maritime Operations (Marine Engineering Class 1)	964
MAR60315	Advanced Diploma of Maritime Operations (Master Unlimited)	1247

Units of Competency and Nominal Hours

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

National Code	National Title	Nominal Hours
MARA001	Contribute to safe cargo operations on liquefied gas tankers	50
MARA002	Contribute to safe cargo operations on oil and chemical tankers	50
MARA003	Manage loading, discharging and stowing of cargo	18
MARA004	Manage vessel stability	20
MARA005	Maintain vessel stability	60
MARA006	Monitor loading, unloading and stowage of cargo	45
MARA007	Contribute to safe cargo operations on offshore support vessels	55
MARA008	Contribute to safe anchor handling and towing operations	20
MARA009	Manage stability of a vessel 500 gross tonnage or more	120
MARA010	Manage loading, unloading and stowage of cargo	45
MARB001	Assist with routine maintenance of a vessel	20
MARB002	Perform basic servicing and maintenance of main propulsion unit and auxiliary systems	15
MARB003	Service marine internal combustion engines, and propulsion and auxiliary systems	50
MARB004	Perform routine maintenance on a vessel up to 24 metres	36
MARB005	Slip or dock a vessel and maintain hull on a vessel up to 80 metres	20
MARB006	Maintain marine internal combustion engines, propulsion plant and auxiliary systems	25
MARB007	Undertake basic maintenance of electrical systems	35
MARB008	Carry out basic welding, brazing, cutting and machining operations on a coastal vessel	70
MARB009	Manage refuelling	12
MARB010	Plan and supervise routine maintenance on a vessel up to 80 metres	35
MARB011	Undertake maintenance of 240 to 440 voltage alternating current electrical systems	20
MARB012	Undertake maintenance of machinery, machinery systems and structural components	25
MARB013	Maintain and repair marine electrical and electronic equipment	50

MARB014	Maintain and repair shipboard machinery and equipment	45
MARB015	Maintain firefighting appliances	20
MARB016	Contribute to routine engine maintenance on a vessel	20
MARB017	Perform routine maintenance and repairs on a vessel	35
MARB018	Implement vessel planned maintenance system	35
MARB019	Manage stores for planned maintenance system	25
MARB020	Manage repairs and maintenance of a vessel 500 gross tonnage or more	66
MARB021	Perform routine tasks in a marina	25
MARB022	Refuel a vessel	20
MARB023	Maintain marina infrastructure	35
MARB024	Undertake basic boatyard operations	35
MARB025	Maintain mooring equipment	20
MARB026	Apply knowledge of marine terminology and port procedures	25
MARC001	Complete engine room tasks	45
MARC002	Maintain hull out of water	20
MARC003	Operate and maintain extra low and low voltage electrical systems and equipment	20
MARC004	Operate deck machinery	20
MARC005	Operate inboard and outboard motors	20
MARC006	Operate main propulsion unit and auxiliary systems	20
MARC007	Operate marine internal combustion engines, and propulsion and auxiliary systems	50
MARC008	Manage fuel systems	25
MARC009	Operate and monitor marine internal combustion engines, propulsion plant and auxiliary systems	35
MARC010	Operate electrical systems	15
MARC011	Manage a propulsion unit using appropriate engine systems and support services	15
MARC012	Monitor and manage vessel operations	25
MARC013	Operate auxiliary machinery systems up to 1500 kW	20
MARC014	Operate deck machinery and steering gear on a vessel up to 80 metres	20
MARC015	Operate marine internal combustion engines and associated systems up to 1500 kW	45

MARC016	Operate propulsion transmission systems up to 1500 kW	20
MARC017	Operate 240 to 440 voltage alternating current electrical systems	20
MARC018	Employ tools, equipment and materials in a shipboard context	35
MARC019	Transmit and receive information by marine VHF radio within Australian Territorial Waters	20
MARC020	Transmit and receive information by marine radio	25
MARC021	Transmit and receive information by marine VHF radio	14
MARC022	Perform mooring and unmooring activities	20
MARC023	Operate and maintain a boiler	35
MARC024	Operate and maintain a steam engine up to 750 kW and steam auxiliary equipment	25
MARC025	Operate and maintain engines for auxiliary systems other than steam auxiliary systems	25
MARC026	Operate remote controls of propulsion plant and engineering systems	53
MARC027	Contribute to the operation of engine equipment and associated propulsion plant	25
MARC028	Operate deck machinery, cargo handling gear and equipment on a vessel	20
MARC029	Perform rigging on board a vessel	35
MARC030	Use and care for hand and power tools	35
MARC031	Shift mooring lines using mechanical means	25
MARC032	Perform dogging on board a vessel	55
MARD001	Manage business and administration on vessels limited by tonnage or near coastal operations	21
MARD002	Manage operations and maintenance on vessels limited by tonnage or near coastal operations	5
MARD003	Manage legal requirements of a vessel	72
MARE001	Communicate effectively when performing engineering duties	35
MARE002	Communicate during mooring and unmooring activities	10
MARF001	Apply basic survival skills in the event of vessel abandonment	25
MARF002	Follow procedures to minimise and fight fires on board a vessel	25
MARF003	Follow vessel security procedures	9
MARF004	Meet work health and safety requirements	12
MARF005	Survive at sea using survival craft	15
MARF006	Observe personal safety and social responsibility	12

MARF007	Operate survival craft and other lifesaving appliances	45
MARF008	Prevent and fight fires on board a vessel	25
MARF009	Survive at sea in the event of vessel abandonment	25
MARF010	Work safely in confined spaces on a vessel	25
MARF011	Manage firefighting and fire prevention activities on board a vessel	40
MARF012	Control safe access to and on vessel	15
MARF013	Provide medical first aid on board a vessel	40
MARF014	Respond to emergencies	15
MARF015	Manage provision of medical care on board a vessel	60
MARF016	Carry out fast rescue craft operations	40
MARF017	Follow work health and safety, and emergency procedures during mooring and unmooring activities	20
MARF018	Assist in an emergency response	25
MARF019	Operate emergency equipment and apply emergency procedures	5
MARF020	Coordinate search and rescue operations	20
MARF021	Manage safety and security of vessel crew and passengers	45
MARF022	Apply maritime resource management principles	65
MARF023	Apply safe work practices in a marina	25
MARF024	Classify marina infrastructure, vessels and staffing structure	20
MARF025	Respond to marina emergencies	25
MARF026	Follow port and terminal security procedures	20
MARG001	Work effectively as part of a crew on a vessel up to 80 metres	10
MARG002	Manage a small crew	20
MARG003	Manage an engine room and small engineering team	35
MARG004	Provide leadership to crew	35
MARG005	Supervise a crew	35
MARG006	Manage a vessel and its crew	60
MARH001	Plan and navigate a passage for a vessel up to 12 metres	33
MARH002	Apply weather information when navigating inland waters as Master	20

MARH003	Manage and maintain a navigational watch on board vessels up to 80 metres	25
MARH004	Plan and navigate a passage for a vessel up to 80 metres	90
MARH005	Use wheelhouse equipment for safe navigation	50
MARH006	Forecast weather and oceanographic conditions	10
MARH007	Apply command navigation procedures on vessels limited by tonnage or near coastal operations	30
MARH008	Plan and conduct a passage	70
MARH009	Use an electronic chart display and information system to navigate safely	40
MARH010	Use bridge equipment to determine vessel position	25
MARH011	Forecast weather and oceanographic conditions to plan a safe passage	50
MARH012	Manage the navigation of a vessel 500 gross tonnage or more	50
MARI001	Comply with regulations to ensure safe operation of a vessel up to 12 metres	35
MARI002	Observe regulations to ensure safe operation of a vessel up to 80 metres	15
MARJ001	Follow environmental work practices	25
MARJ002	Monitor environmental management on a vessel	15
MARJ003	Ensure compliance with environmental management legislation	20
MARJ004	Inspect and report defects and damage to vessel	20
MARJ005	Manage compliance with environmental management legislation	20
MARK001	Handle a vessel up to 12 metres	60
MARK002	Manoeuvre a vessel up to 24 metres within near coastal waters	15
MARK003	Manoeuvre a vessel up to 80 metres	21
MARK004	Perform basic vessel manoeuvres	35
MARK005	Steer a vessel under direction of the Master	12
MARK006	Manoeuvre a vessel 500 gross tonnage or more	35
MARL001	Carry out engineering calculations	20
MARL002	Apply basic principles of naval architecture	50
MARL003	Demonstrate basic knowledge of marine auxiliary boilers	40
MARL004	Demonstrate basic knowledge of marine auxiliary machinery and equipment	60
MARL005	Demonstrate basic knowledge of marine control systems and automation	60

MARL006	Demonstrate basic knowledge of marine diesel engines and systems	60
MARL007	Demonstrate basic knowledge of marine electrical systems	70
MARL008	Demonstrate basic knowledge of ships and ship routines	45
MARL009	Perform basic marine engineering calculations	35
MARL010	Apply basic principles of marine electrotechnology	50
MARL011	Apply basic principles of marine engineering thermodynamics	50
MARL012	Apply basic principles of marine mechanics	50
MARL013	Demonstrate basic knowledge of marine steam turbines and main boilers	70
MARL014	Apply intermediate principles of marine electrotechnology	70
MARL015	Apply intermediate principles of marine engineering thermodynamics	70
MARL016	Apply intermediate principles of marine mechanics	70
MARL017	Apply intermediate principles of naval architecture	70
MARL018	Apply advanced principles of marine electrotechnology	70
MARL019	Apply advanced principles of marine engineering thermodynamics	80
MARL020	Apply advanced principles of marine mechanics	80
MARL021	Apply advanced principles of naval architecture	80
MARL022	Demonstrate basic knowledge of ship construction	50
MARL023	Demonstrate basic knowledge of ship operation and maintenance	55
MARL024	Demonstrate intermediate knowledge of marine auxiliary boilers	50
MARL025	Demonstrate intermediate knowledge of marine auxiliary machinery and systems	70
MARL026	Demonstrate intermediate knowledge of marine control systems and automation	60
MARL027	Demonstrate intermediate knowledge of marine diesel engines and systems	70
MARL028	Demonstrate intermediate knowledge of marine electrical systems	60
MARL029	Demonstrate intermediate knowledge of marine steam turbines and main boilers	70
MARL030	Demonstrate advanced knowledge of marine auxiliary boilers	40
MARL031	Demonstrate advanced knowledge of marine auxiliary machinery and systems	80
MARL032	Demonstrate advanced knowledge of marine control systems and automation	80
MARL033	Demonstrate advanced knowledge of marine diesel engines and systems	80

MARL034	Demonstrate advanced knowledge of marine electrical systems	80
MARL035	Demonstrate advanced knowledge of marine steam turbines and main boilers	70
MARL036	Demonstrate advanced knowledge of ship operation and maintenance	70
MARL037	Demonstrate knowledge of ships and ship routines	50
MARM001	Apply knowledge of safety management system legal framework in the workplace	35
MARM002	Apply vessel construction theory to marine survey tasks	35
MARM003	Identify factors that affect a commercial vessel's fitness for purpose	35
MARM004	Work in the marine surveying sector	20
MARM005	Assess compliance with marine environment protection requirements	25
MARM006	Assist in the survey of commercial vessels	20
MARM007	Assist in the survey of vessel mechanical features	20
MARM008	Evaluate vessel stability	20
MARM009	Implement a systematic approach to the audit of safety management systems	20
MARM010	Survey lifesaving appliances, fire and other safety systems	20
MARM011	Calculate, assess and report on vessel trim and stability	90
MARM012	Conduct a range of surveys on domestic commercial vessels	50
MARM013	Conduct an audit of safety management systems	45
MARM014	Develop marine survey reports	35
MARM015	Participate in investigating marine incidents	45
MARM016	Survey hull and superstructure of a commercial vessel	35
MARM017	Survey vessel operational systems	35
MARM018	Undertake a periodic statutory survey	45
MARM019	Establish a marine surveyor practice	45
MARN001	Apply general purpose hand skills aboard a vessel	25
MARN002	Apply seamanship skills aboard a vessel up to 12 metres	45
MARN003	Perform seamanship operations on board a vessel up to 24 metres	20
MARN004	Manage seaworthiness of a vessel up to 80 metres	20
MARN005	Maintain seaworthiness of a vessel	40

MARN006	Manage cargo operations	50
MARN007	Use seamanship skills on board a vessel	45
MARO001	Perform basic lookout duties	15
MARO002	Maintain a safe navigational watch	90
MARO003	Transmit and receive information by the global maritime distress and safety system	70
MARO004	Transmit and receive information by visual signalling	15
MARO005	Contribute to monitoring and controlling a safe engine watch	10
MARO006	Contribute to monitoring and controlling a safe navigational watch	10

Mapping Qualifications

The following table provides an overview of the qualifications from Version 4.00 which replace qualifications from the existing version of the MAR13 Maritime Training Package.

MAR13 Current Qualification				MAR Replacement Qualification		
National Code	National Title	Nominal Hours	E / NE	National Code	National Title	Nominal Hours
MAR10213	Certificate I in Maritime Operations (Linesperson)	129	NE	MAR20116	Certificate II in Maritime Operations (Linesperson)	230
MAR30113	Certificate III in Maritime Operations (Integrated Rating)	464	NE	MAR30116	Certificate III in Maritime Operations (Integrated Rating)	543
MAR40113	Certificate IV in Maritime Operations (Chief Integrated Rating)	599	NE	MAR40116	Certificate IV in Maritime Operations (Chief Integrated Rating)	693

Mapping Units of Competency

The following table provides an overview of the units of competency from Version 4.00 which replace units of competency from the existing version of the MAR Maritime Training Package.

MAR13 Current Unit				MAR Replacement Unit		
National Code	National Title	Nominal Hours	E / NE	National Code	National Title	Nominal Hours
MARB3002A	Perform routine engine maintenance on a vessel	20	E	MARB016	Contribute to routine engine maintenance on a vessel	20
MARB3003A	Perform routine maintenance and repairs on a vessel	35	E	MARB017	Perform routine maintenance and repairs on a vessel	35
MARB4002A	Implement vessel planned maintenance system	35	E	MARB018	Implement vessel planned maintenance system	35
MARB4004A	Manage stores for planned maintenance system	25	E	MARB019	Manage stores for planned maintenance system	25
			-	MARB025	Maintain mooring equipment	20
			-	MARB026	Apply knowledge of marine terminology and port procedures	25
MARC1001A	Carry out shore-based mooring and untying operations	20	E	MARC022	Perform mooring and unmooring activities	20
MARC3008A	Operate engine equipment and associated propulsion plant	25	E	MARC027	Contribute to the operation of engine equipment and associated propulsion plant	25
MARC3006A	Operate deck machinery, cargo handling gear and equipment on a vessel	20	E	MARC028	Operate deck machinery, cargo handling gear and equipment on a vessel	20
			-	MARC029	Perform rigging on board a vessel	35
TDMMR4707B	USE AND CARE FOR HAND AND POWER TOOLS ON A VESSEL	35	E	MARC030	Use and care for hand and power tools	35
			-	MARC031	Shift mooring lines using mechanical means	25
			-	MARC032	Perform dogging on board a vessel	55
MARE1001A	Communicate during shore-based mooring and untying operations	10	E	MARE002	Communicate during mooring and unmooring activities	10
MARF1004A	Follow work health and safety, and emergency procedures during shore-based mooring operations	20	E	MARF017	Follow work health and safety, and emergency procedures during mooring and unmooring activities	20
MARF3001A	Assist in an emergency response	25	E	MARF018	Assist in an emergency response	25
MARF3003A	Operate emergency equipment and apply emergency procedures	5	E	MARF019	Operate emergency equipment and apply emergency procedures	5
			-	MARF026	Follow port and terminal security procedures	20

MARG4003A	Supervise a crew	35	E	MARG005	Supervise a crew	35
MARK3002A	Steer a vessel under direction of the Master	12	E	MARK005	Steer a vessel under direction of the Master	12
MARN3002A	Use seamanship skills on board a vessel	45	E	MARN007	Use seamanship skills on board a vessel	45
MARO3001A	Contribute to monitoring and controlling a safe engine watch	10	E	MARO005	Contribute to monitoring and controlling a safe engine watch	10
MARO3002A	Contribute to monitoring and controlling a safe navigational watch	10	E	MARO006	Contribute to monitoring and controlling a safe navigational watch	10

Traineeships

The following table provides a summary of the qualifications in the MAR Maritime Training Package and the accredited traineeship courses they will replace.

MAR13 Current Unit					MAR Replacement Unit		
National Code	National Title	Traineeship	Nominal Hours	E / NE	National Code	National Title	Nominal Hours
MAR30113	Certificate III in Maritime Operations (Integrated Rating)	TR08410: INTEGRATED RATING	464	NE	MAR30116	Certificate III in Maritime Operations (Integrated Rating)	543