VICTORIAN PURCHASING GUIDE

MAR Maritime Training Package
RELEASE 10.0

March 2023

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VICTORIAN PURCHASING GUIDE – RELEASE HISTORY

Note: RTOs should refer to the National Register for the detail of changes in each Release.

Training Package Release	Date VPG Approved	Comments
Release 10.0	8 March 2023	This Victorian Purchasing guide reflects Release 10 of the Training Package which includes the following: • 1 new qualification • 8 new units of competency
Release 9.0	21 September 2022	This Victorian Purchasing guide reflects Release 9 of the Training Package which includes the following: • 1 new qualification • 1 revised qualification • 6 new units of competency • 7 revised non-equivalent units of competency
MAR Maritime Training Package Release 8.0	6 December 2021	This Victorian Purchasing guide reflects Release 8 of the Training Package which includes the following: • 7 revised qualifications • 1 new unit of competency • 2 revised non-equivalent units of competency • 5 revised equivalent units of competency
MAR Maritime Training Package Release 7.0	12 March 2021	This Victorian Purchasing guide reflects Release 7 of the Training Package which includes the following: • 2 revised qualifications • 10 new units of competency • 3 units of competency updated
MAR Maritime Training Package Release No 6	8 February 2021	This Victorian Purchasing guide reflects: • 12 revised qualifications • 15 new units of competency • 1 non-equivalent unit of competency • 112 revised equivalent units of competency • 47 units of competency no change
MAR Maritime Training Package Release No 5	Sept 2018	This Victorian Purchasing guide reflects: • 14 revised near coastal qualifications • Revisions to 33 units of competency

MAR Maritime Training Package Release No 4	10 June 2016	This Victorian Purchasing Guide reflects:
		
		• the transition of the following qualifications to the Standards for Training Packages:
		  – MAR20116 Certificate II in Maritime Operations (Linesperson)
		  – MAR30116 Certificate III in Maritime Operations (Integrated Rating)
		  – MAR40116 Certificate IV in Maritime Operations (Chief Integrated Rating)
		• the inclusion of 5 new units of competency

		• the transition of 18 units of competency to the Standards for Training Packages

MAR Maritime Training Package Release No 3	26 October 2015	This Victorian Purchasing Guide reflects:
		• the transition of the following qualifications to the Standards for Training Packages:
		  – MAR30315 Certificate III in Marina Operations
		  – MAR30415 Certificate III in Maritime Operations (Marine Cookery)
		  – MAR50315 Diploma of Maritime Operations (Watchkeeper Deck)
		  – MAR50415 Diploma of Maritime Operations (Master up to 500 GT)
		  – MAR60315 Advanced Diploma of Maritime Operations (Master Unlimited)
		• Inclusion of the new qualification MAR30315 Certificate III in Marina Operations
		• the transition of twelve units of competency to the Standards for Training Packages and inclusion of eight new units of competency

MAR Maritime Training Package Release No 2	15 April 2015	This Victorian Purchasing Guide reflects the following changes endorsed in Release 2 of the MAR Maritime Training Package: • Radio Operations and Fast Rescue Craft • Offshore Familiarisation • the alignment of seven ocean going qualifications to the Standards for Training Packages.
MAR Maritime Training Package Release No 1	7 February 2014	This Victorian Purchasing Guide reflects the changes made from Maximum Nominal Hours to Maximum and Minimum Payable Hours.

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INTRODUCTION

What is a Victorian Purchasing Guide?

The Victorian Purchasing Guide provides information for use by Registered Training Organisations (RTOs) in the provision of Victorian government subsidised training.

Specifically, the Victorian Purchasing Guide provides the following information related to the delivery of nationally endorsed Training Packages in Victoria:

- The maximum and minimum payable hours available for each qualification.
- Nominal hours for each unit of competency within the Training Package.

Registration

RTOs must be registered by either the Victorian Registration and Qualifications Authority (VRQA) or the Australian Skills Qualification Authority (ASQA) regulatory body to be eligible to issue qualifications and Statements of Attainment under the Australian Qualifications Framework (AQF).

The VRQA is the regulatory authority in Victoria responsible for the registration of Vocational Education and Training (VET) providers who offer courses to domestic students in Victoria only.

ASQA is the regulatory authority responsible for the registration of VET providers who offer training in Victoria, nationally and / or internationally.

Transition

The relationship between new units and any superseded or replaced units from the previous version of MAR Maritime Training Package Release 10.0 is provided in the Training Package Companion Volume Implementation Guide. (See VETnet.gov.au for more information).

Information regarding transition arrangements can be obtained from the state or national VET Regulatory Authority (see Contacts and Links section).

RTOs must ensure that all training and assessment leading to issuance of qualifications or Statements of Attainment from the MAR Maritime Training Package Release 10.0 is conducted against the Training Package units of competency and complies with the assessment requirements.

QUALIFICATIONS

Code	Title	Minimum Payable Hours	Maximum Payable Hours
MAR10220	Certificate I in Maritime Operations (General Purpose Hand Near Coastal)	179	188
MAR10418	Certificate I in Maritime Operations (Coxswain Grade 2 Near Coastal)	323	340
MAR20121	Certificate II in Maritime Operations (Linesperson)	255	268
MAR20321	Certificate II in Maritime Operations (Coxswain Grade 1 Near Coastal)	468	493
MAR20421	Certificate II in Maritime Operations (Marine Engine Driver Grade 3 Near Coastal)	426	448
MAR30022	Certificate III in Vessel Traffic Services	266	280
MAR30122	Certificate III in Marina Operations	454	478
MAR30220	Certificate III in Maritime Operations (Integrated Rating)	658	693
MAR30320	Certificate III in Maritime Operations (Marine Cookery)	359	378
MAR30821	Certificate III in Maritime Operations (Marine Engine Driver Grade 2 Near Coastal)	530	558
MAR30921	Certificate III in Maritime Operations (Master up to 24 metres Near Coastal)	521	548
MAR31021	Certificate III in Maritime Operations (Master Inland Waters)	378	398
MAR31222	Certificate III in Autonomous Maritime Systems	209	220
MAR40121	Certificate IV in Maritime Operations (Chief Integrated Rating)	996	1048
MAR40220	Certificate IV in Maritime Operations (Marine Engine Driver Grade 1 Near Coastal)	810	853
MAR40320	Certificate IV in Maritime Operations (Master up to 35 metres Near Coastal)	687	723
MAR50120	Diploma of Marine Engineering	658	693
MAR50320	Diploma of Maritime Operations	920	968
MAR60120	Advanced Diploma of Marine Engineering (Class 1)	860	905
MAR60220	Advanced Diploma of Maritime Operations (Master Unlimited)	1129	1188

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UNITS OF COMPETENCY AND NOMINAL HOURS

Unit Code	Unit Title	Nominal Hours
MARA011	Contribute to basic operations of ships in polar waters	25
MARA012	Contribute to basic cargo operations on liquefied gas tankers	60
MARA013	Contribute to basic cargo operations on oil and chemical tankers (basic oil and chemical)	60
MARA014	Contribute to basic operations of a ship subject to IGF Code	20
MARA015	Contribute to safe anchor handling and towing operations	40
MARA016	Contribute to safe cargo operations on offshore support vessels	60
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	30
MARA023	Manage trim, stability and stress of a vessel	60
MARA024	Manage vessel stability	20
MARA025	Monitor, loading, unloading, securing and stowage of cargo	50
MARB027	Perform basic servicing and maintenance of main propulsion unit and auxiliary systems	40
MARB028	Service marine internal combustion engines and propulsion and auxiliary systems	65
MARB029	Perform routine maintenance on a vessel up to 24 metres	50
MARB030	Slip or dock a vessel and maintain hull on a vessel up to 80 metres	30
MARB031	Maintain marine internal combustion engines, propulsion plant and auxiliary systems	30
MARB032	Undertake basic maintenance of electrical systems	40
MARB034	Carry out basic welding, brazing, cutting and machining operations on a coastal vessel	35
MARB035	Contribute to routine engine maintenance on a vessel	20
MARB036	Implement vessel planned maintenance system	40
MARB037	Maintain and repair bridge navigation equipment and ship communication systems	30
MARB038	Maintain and repair marine electrical and electronic equipment	60
MARB039	Maintain and repair shipboard machinery and equipment	50

Unit Code	Unit Title	Nominal Hours
MARB040	Maintain control and safety systems of hotel equipment	25
MARB041	Manage refuelling	20
MARB042	Manage reported defects, damage, repairs and maintenance of a vessel	40
MARB043	Manage stores for planned maintenance system	30
MARB044	Operate and maintain ship power systems exceeding 1,000 volts	40
MARB045	Perform routine maintenance and repairs on a vessel	40
MARB046	Plan and supervise routine maintenance on a vessel up to 80 metres	40
MARB047	Undertake maintenance of 240 to 440 voltage alternating current electrical systems	20
MARB048	Undertake maintenance of machinery, machinery systems and structural components	30
MARB049	Use internal communication systems, operate computers and computer networks on ships	50
MARB050	Adjust a magnetic compass	70
MARB051	Apply elements of magnetic compass adjusting	30
MARB052	Apply knowledge of the principles of magnetic compass adjusting	50
MARB053	Assist with routine maintenance on a commercial vessel	20
MARB054	Apply marine terminology and port procedures	30
MARB055	Maintain mooring equipment	20
MARB056	Maintain marina infrastructure	40
MARB057	Perform routine tasks in a marina	25
MARB058	Refuel a vessel	20
MARB059	Undertake basic boatyard operations	40
MARC033	Complete engine room tasks	50
MARC034	Maintain hull out of water	20
MARC035	Operate and maintain extra low and low voltage electrical systems and equipment	25
MARC036	Operate deck machinery	25
MARC037	Operate inboard and outboard motors	35
MARC038	Operate main propulsion unit and auxiliary systems	30
MARC039	Operate marine internal combustion engines, and propulsion and auxiliary systems	60

Unit Code	Unit Title	Nominal Hours
MARC040	Manage fuel systems	30
MARC041	Operate and monitor marine internal combustion engines, propulsion plant and auxiliary systems	50
MARC042	Operate electrical systems	25
MARC043	Transmit and receive information by marine radio	20
MARC044	Transmit and receive information by marine VHF radio	20
MARC045	Contribute to the operation of engine equipment and associated propulsion plant	30
MARC046	Employ tools, equipment and materials in a shipboard context	40
MARC047	Manage a propulsion unit using appropriate engine systems and support services	30
MARC048	Monitor and manage vessel operations	30
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	50
MARC054	Operate propulsion transmission systems up to 1500 kW	20
MARC055	Operate remote controls of propulsion plant, engineering systems and services	30
MARC056	Operate roll-on and roll-off machinery and equipment on board a vessel	25
MARC057	Perform dogging on board a vessel	60
MARC058	Perform rigging on board a vessel	40
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	30

Unit Code	Unit Title	Nominal Hours
MARD004	Manage business and administration on vessels limited by tonnage or near coastal operations	80
MARD005	Manage operations and maintenance on vessels limited by tonnage or near coastal operations	20
MARD006	Monitor and control compliance with legislative requirements	40
MARE003	Communicate during mooring operations	10
MARF027	Apply basic survival skills in the event of vessel abandonment	35
MARF028	Follow procedures to minimise and fight fires on board a vessel	30
MARF029	Meet work health and safety requirements	30
MARF030	Survive at sea using survival craft	15
MARF031	Apply leadership and team working capability	70
MARF032	Apply medical first aid on board ship	20
MARF033	Assist in an emergency response	30
MARF034	Carry out fast rescue craft operations	40
MARF035	Contribute to fire prevention and firefighting (basic firefighting)	30
MARF036	Coordinate search and rescue operations	20
MARF037	Follow vessel security procedures (security awareness training)	30
MARF038	Manage provision of medical care on board a vessel	40
MARF039	Manage safety and security of vessel, crew and passengers	50
MARF040	Manage ship security (Ship Security Officer)	25
MARF041	Observe personal safety and social responsibility (PSSR)	50
MARF042	Operate emergency equipment and apply emergency procedures	5
MARF043	Operate survival craft, rescue boats and lifesaving appliances (proficiency in survival craft)	50
MARF044	Prevent, control and fight fires on board a vessel (advanced firefighting)	90
MARF045	Provide leadership and managerial capability	40
MARF046	Survive at sea in the event of vessel abandonment and personal survival techniques (PST)	30
MARF047	Monitor compliance with legislative requirements	40

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Unit Code	Unit Title	Nominal Hours
MARF048	Plan marine towage operations	40
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	30
MARF055	Classify marina infrastructure, vessels and staffing structure	20
MARF056	Provide Vessel Traffic Services	140
MARF057	Respond to marina emergencies	30
MARF058	Apply knowledge of Autonomous Underwater Vehicles (AUV) technical management	50
MARF059	Apply knowledge of Autonomous Surface Vessels (ASV) technical management	50
MARG007	Manage a small crew	50
MARG008	Manage a vessel and its crew	120
MARG009	Manage an engine room and small engineering team in emergencies	40
MARG010	Supervise a crew	40
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	50
MARH014	Apply weather information when navigating inland waters as Master	25
MARH015	Manage and maintain a navigational watch on board vessels up to 80 metres	40
MARH016	Plan and navigate a passage for a vessel up to 80 metres	100
MARH017	Use wheelhouse equipment for safe navigation	60
MARH018	Apply command navigation procedures on vessels limited by tonnage or near coastal operations	30

Unit Code	Unit Title	Nominal Hours
MARH019	Forecast weather and oceanographic conditions	10
MARH020	Forecast weather and oceanographic conditions to plan a safe passage	40
MARH021	Manage the navigation of a vessel	60
MARH022	Plan and conduct a passage and determine position	80
MARH023	Use of electronic chart display and information system (ECDIS) to maintain the safety of navigation	30
MARH024	Use of radar and other bridge equipment to maintain safety of navigation	30
MARH025	Apply knowledge of dynamic positioning fundamentals	60
MARH026	Apply knowledge of dynamic positioning operations	25
MARH027	Apply knowledge of dynamic positioning systems	70
MARH028	Conduct dynamic positioning operations	60
MARH029	Perform marine towage operations	30
MARH030	Apply knowledge of core Autonomous Underwater Vehicles (AUV) operations	40
MARH031	Apply knowledge of core Autonomous Surface Vessels (ASV) operations	40
MARH032	Conduct advanced Autonomous Underwater Vehicles (AUV) operations	70
MARH033	Conduct advanced Autonomous Surface Vessels (ASV) operations	70
MARH034	Demonstrate fundamental knowledge of Autonomous Maritime Systems (AMS) operations	30
MARH035	Demonstrate fundamental knowledge of Autonomous Maritime Systems (AMS)	30
MARI003	Comply with regulations to ensure safe operation of a vessel up to 12 metres	40
MARI004	Observe regulations to ensure safe operation of a vessel up to 80 metres	30
MARI005	Respond to emergency situations	30
MARJ006	Follow environmental work practices	35
MARJ007	Monitor environmental management on a vessel	25

Unit Code	Unit Title	Nominal Hours
MARJ008	Ensure compliance with pollution prevention requirements	20
MARK007	Handle a vessel up to 12 metres	80
MARK008	Manoeuvre a vessel up to 24 metres within Near Coastal waters	20
MARK009	Manoeuvre a vessel up to 80 metres	30
MARK010	Manoeuvre and handle a ship in all conditions	40
MARK011	Manoeuvre the ship	40
MARK012	Steer a vessel under direction of the Master	20
MARL038	Apply advanced principles of marine electrotechnology	60
MARL039	Apply advanced principles of marine engineering thermodynamics	50
MARL040	Apply advanced principles of marine mechanics	50
MARL041	Apply advanced principles of trim, stability and stress	50
MARL042	Apply basic principles of marine electrotechnology	20
MARL043	Apply basic principles of marine engineering thermodynamics	20
MARL044	Apply basic principles of marine mechanics	20
MARL045	Apply basic principles of naval architecture	20
MARL046	Carry out engineering calculations	20
MARL047	Demonstrate advanced knowledge of marine auxiliary boilers	40
MARL048	Demonstrate advanced knowledge of marine auxiliary machinery and systems	50
MARL049	Demonstrate advanced knowledge of marine control systems and automation	60
MARL050	Demonstrate advanced knowledge of marine diesel engines and systems	50
MARL051	Demonstrate advanced knowledge of marine electrical systems	60
MARL052	Demonstrate advanced knowledge of marine steam turbines and main boilers	80
MARL053	Demonstrate advanced knowledge of ship operations and maintenance	70
MARL054	Demonstrate basic knowledge of marine auxiliary boilers	20

Unit Code	Unit Title	Nominal Hours
MARL055	Demonstrate basic knowledge of marine auxiliary machinery and equipment	30
MARL056	Demonstrate basic knowledge of marine control systems and automation	20
MARL057	Demonstrate basic knowledge of marine diesel engines and systems	20
MARL058	Demonstrate basic knowledge of marine electrical systems	20
MARL059	Demonstrate basic knowledge of marine steam turbines and main boilers	25
MARL060	Demonstrate knowledge of ships and ship routines	25
MARL061	Perform basic marine engineering calculations	25
MARN008	Apply seamanship skills aboard a vessel up to 12 metres	55
MARN009	Perform seamanship operations on board a vessel up to 24 metres	25
MARN011	Maintain seaworthiness of the ship (ship construction)	20
MARN012	Manage advanced operations of ships in polar waters	45
MARN013	Manage seaworthiness of a vessel up to 80 metres	20
MARN014	Plan and manage safe loading, unloading, securing and stowage of cargo	60
MARN015	Use seamanship skills on board a vessel	50
MARN016	Apply general purpose hand skills aboard a commercial vessel	30
MARN017	Assist with marine towage operations	30
MARN018	Contribute to basic marine dredging operations	45
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	30
MARO011	Transmit and receive information by the Global Maritime Distress and Safety System (GMDSS)	20
MARO012	Transmit and receive information by visual signalling	30

CONTACTS AND LINKS

Curriculum Maintenance Manager (SICMM) Service
Maritime

The CMM Service is provided on behalf of Higher Education and Skills.

CMM Service Executive Officers can assist with questions on payable and nominal hours.

CMM Name: Mandy Penton

Institute: Victoria University Polytechnic

Address: PO Box 14428, Melbourne VIC 8001

Phone: (03) 99195302

Email: Mandy.Penton@vu.edu.au

Jobs and Skills Council (JSC) – Industry Skills Australia

Industry Skills Australia (ISA) is responsible for developing the MAR Maritime Training Package and can be contacted for further information.

Address   PO Box 4345 KINGSTON ACT 2604
Email   enquiries@isajsc.org.au
Website   industryskillsaustralia.org.au

National Register of VET in Australia - Training.gov.au (TGA)

TGA is the Australian government's official National Register of information on Training Packages, qualifications, courses, units of competency and RTOs. See training.gov.au for more information.

Australian Government - Department of Employment and Workplace Relations (DEWR)

The Commonwealth Department is responsible for national policies and programmes that help Australians access quality vocational education and training. See Skills and Training - DEWR for more information.

State Government - Department of Jobs, Skills, Industry and Regions (DJSIR)

DJSIR (formerly Department of Education and Training) is the State Training Authority responsible for supporting implementation of Vocational Education and Training (VET) in Victoria. See djsir.vic.gov.au for more information. (03) 9637 2000

National VET Regulatory Authority - Australian Skills Quality Authority (ASQA)

ASQA is the national regulator for Australia's VET sector. Info line: 1300 701 801 See asqa.gov.au for more information.

State VET Regulatory Authority - Victorian Registration and Qualifications Authority (VRQA)

The VRQA is a statutory authority responsible for the registration and regulation of Victorian RTOs and for the regulation of apprenticeships and traineeships in Victoria. (03) 9637 2806 See vrqa.vic.gov.au

INDUSTRY REGULATORY BODIES

WorkSafe Victoria

The industry Regulatory body can provide advice on licensing, legislative or regulatory requirements which may impact on the delivery of training or the issuance of qualifications in this Training Package.

WorkSafe needs to provide written verification before high risk work units can be added to an RTO's scope of registration. info@worksafe.vic.gov.au See worksafe.vic.gov.au for further information.

222 Exhibition Street,
Melbourne 3000
(03) 9641 1444 or
1800 136 089 (toll free)

Australian Maritime Safety Authority

Australia's national agency responsible for maritime safety, protection of the marine environment and maritime aviation search and rescue.

Ph: (03) 9604 7200 (within Australia)

More information is available here

GLOSSARY

Code   Nationally endorsed Training Package qualification code.

Title   Nationally endorsed Training Package qualification title.

Unit Code   Nationally endorsed Training Package unit code.

Unit Title   Nationally endorsed Training Package unit title.

Maximum Payable Hours   The maximum number of hours the Victorian Government will subsidise under Skills First funding for the achievement of the minimum realistic vocational outcome of the qualification, as determined by the qualification packaging rules. The Maximum Payable Hours do not cover every possible combination of core and elective units available for a specific qualification.

                             Minimum payable hours reflect a calculated minimum number of hours that could deliver a minimum realistic vocational outcome, based on efficiencies of contextualisation and integration.

Scope of Registration   Scope of registration specifies the AQF qualifications and/or units of competency the training organisation is registered to issue and the industry training and/or assessment services it is registered to provide.

Nominal Hours   Nominal hours reflect the anticipated time taken to deliver and assess the outcomes of a unit of competency excluding unsupervised delivery or the time taken for repeated practical application of skills. Nominal hours are determined by the Victorian State Training Authority (DJSIR) and are primarily developed for funding purposes in Victoria.