Victorian Purchasing Guide
for
MAR13 Maritime Training Package Version No 1

October 2013

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Victorian Purchasing Guide — Version History

Training Package Version	Date VPG Approved	Comments
MAR13 Version 1	21 October 2013	This Victorian Purchasing Guide reflects the MAR13 Maritime Training Package which replaces the TDM07 Maritime training Package.

CONTENTS

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 nominal hour range (minimum-maximum) available for each qualification.
- Nominal hours for each unit of competency within the Training Package.
- Sample Training Programs

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 Quality Framework (AQF).

The VRQA is the regulatory authority for Victoria that registers VET training organisations who provide courses to domestic students only and who only offer training in Victoria.

To register to provide training to international students and in other Australian states and territories you will need to apply with ASQA.

QUALIFICATIONS

Code	Title	Qualification Nominal Hour Range	
		Minimum	**Maximum**
MAR10113	Certificate I in Maritime Operations (General Purpose Hand)	170	170
MAR10213	Certificate I in Maritime Operations (Linesperson)	148	148
MAR20113	Certificate II in Maritime Operations (Coxswain)	320	320
MAR20213	Certificate II in Maritime Operations (Marine Engine Driver Grade 3)	370	370
MAR30113	Certificate III in Maritime Operations (Integrated Rating)	575	575
MAR30213	Certificate III in Maritime Operations (Marine Engine Driver Grade 2)	465	465
MAR30313	Certificate III in Maritime Operations (Marine Engine Driver Steam)	330	330
MAR30413	Certificate III in Maritime Operations (Master up to 24 metres)	470	470
MAR30513	Certificate III in Maritime Operations (Master Inland Waters)	315	315
MAR30613	Certificate III in Maritime Operations (Marine Surveying)	295	295
MAR30713	Certificate III in Maritime Operations (Marine Cookery)	366	366
MAR40113	Certificate IV in Maritime Operations (Chief Integrated Rating) **Note**: The nominal hour maximum that will be funded under the Victorian Training Guarantee (VTG) is the single level maximum.	Composite level* 775	Composite level 775
		Single level* 200	Single level 200
MAR40213	Certificate IV in Maritime Operations (Marine Engine Driver Grade 1) **Note:** The nominal hour maximum that will be funded under the Victorian Training Guarantee (VTG) is the single level maximum.	Composite level 745	Composite level 745
		Single level 310	Single level 310
MAR40313	Certificate IV in Maritime Operations (Master up to 35 metres) **Note:** The nominal hour maximum that will be funded under the Victorian Training Guarantee (VTG) is the single level maximum.	Composite level 661	Composite level 661
		Single level 326	Single level 326
MAR40413	Certificate IV in Maritime Operations (Marine Surveying)	455	455
MAR50113	Diploma of Maritime Operations (Marine Engineering Class 3)	620	620
MAR50213	Diploma of Maritime Operations (Engineer Watchkeeper)	470	470
MAR50313	Diploma of Maritime Operations (Watchkeeper Deck)	950	950
MAR50413	Diploma of Maritime Operations (Master up to 500 GT or Master 80 metres)	1080	1080
MAR50513	Diploma of Maritime Operations (Marine Surveying)	530	530
MAR60113	Advanced Diploma of Maritime Operations (Marine Engineering Class 2)	690	690

Code	Title	Qualification Nominal Hour Range	
		Minimum	**Maximum**
MAR60213	Advanced Diploma of Maritime Operations (Master Unlimited)	1165	1165
MAR60313	Advanced Diploma of Maritime Operations (Marine Engineering Class 1)	800	800

***Single level** nominal hours refer only to the specified competencies required to be completed for that qualification level (i.e. "unnested"). Previous skills or underpinning knowledge may have been achieved.

***Composite level** nominal hours assume no prior relevant competencies. The structural training is at an entry level and may need to encompass competencies at prior AQF levels (i.e. "nested").

UNITS OF COMPETENCY AND NOMINAL HOURS

RTOs are advised that there is a mapping table inside each Training Package that describes the relationship between new units and superseded or replaced units from the previous version of **MAR13 Maritime Training Package.** Information regarding transition arrangements can be obtained from the state or national VET Regulating Authority (see Contacts and Links section).

You must be sure that all training and assessment leading to qualifications or Statements of Attainment from the **MAR13 Maritime Training Package** is conducted against the Training Package units of competency and complies with the requirements in the assessment guidelines.

Listing of the Units of Competency and Nominal Hours

Unit Code	Unit Title	Nominal Hours
MARA3001A	Contribute to safe cargo operations on liquefied gas tankers	60
MARA3002A	Contribute to safe cargo operations on oil and chemical tankers	60
MARA4001A	Manage loading, discharging and stowage of cargo	30
MARA4002A	Manage vessel stability	20
MARA5001A	Maintain vessel stability	60
MARA5002A	Monitor loading, unloading and stowage of cargo	50
MARA6001A	Manage stability of a vessel 500 gross tonnage or more	60
MARB1001A	Assist with routine maintenance of a vessel	20
MARB2001A	Perform basic servicing and maintenance of main propulsion unit and auxiliary systems	15
MARB2002A	Service marine internal combustion engines, and propulsion and auxiliary systems	60
MARB3001A	Maintain firefighting appliances	20
MARB3002A	Perform routine engine maintenance on a vessel	20
MARB3003A	Perform routine maintenance and repairs on a vessel	40
MARB3004A	Perform routine maintenance on a vessel up to 24 metres	50
MARB3005A	Slip or dock a vessel and maintain hull on a vessel up to 80 metres	20
MARB3006A	Maintain marine internal combustion engines, propulsion plant and auxiliary systems	30
MARB3007A	Undertake basic maintenance of electrical systems	40
MARB4001A	Carry out basic welding, brazing, cutting and machining operations on a coastal vessel	35
MARB4002A	Implement vessel planned maintenance system	40
MARB4003A	Manage refuelling	20
MARB4004A	Manage stores for planned maintenance system	30
MARB4005A	Plan and supervise routine maintenance on a vessel up to 80 metres	40
MARB4006A	Undertake maintenance of 240 to 440 voltage alternating current electrical systems	20
MARB4007A	Undertake maintenance of machinery, machinery systems and structural components	30
MARB5001A	Maintain and repair marine electrical and electronic equipment	60
MARB5002A	Maintain and repair shipboard machinery and equipment	50

Unit Code	Unit Title	Nominal Hours
MARB6001A	Manage repairs and maintenance of a vessel 500 gross tonnage or more	40
MARC1001A	Carry out shore-based mooring and untying operations	20
MARC2001A	Complete engine room tasks	50
MARC2002A	Maintain hull out of water	20
MARC2003A	Operate and maintain extra low and low voltage electrical systems and equipment	20
MARC2004A	Operate deck machinery	20
MARC2005A	Operate inboard and outboard motors	20
MARC2006A	Operate main propulsion unit and auxiliary systems	20
MARC2007A	Operate marine internal combustion engines, and propulsion and auxiliary systems	60
MARC3001A	Manage fuel systems	30
MARC3002A	Operate and maintain a boiler	40
MARC3003A	Operate and maintain a steam engine up to 750 kW and steam auxiliary equipment	30
MARC3004A	Operate and maintain engines for auxiliary systems other than steam auxiliary systems	30
MARC3005A	Operate and monitor marine internal combustion engines, propulsion plant and auxiliary systems	40
MARC3006A	Operate deck machinery, cargo handling gear and equipment on a vessel	20
MARC3007A	Operate electrical systems	15
MARC3008A	Operate engine equipment and associated propulsion plant	30
MARC4001A	Manage a propulsion unit using appropriate engine systems and support services	30
MARC4002A	Monitor and manage vessel operations	30
MARC4003A	Operate auxiliary machinery systems up to 1500 kW	20
MARC4004A	Operate deck machinery and steering gear on a vessel up to 80 metres	20
MARC4005A	Operate marine internal combustion engines and associated systems up to 1500 kW	50
MARC4006A	Operate propulsion transmission systems up to 1500 kW	20
MARC4007A	Operate 240 to 440 voltage alternating current electrical systems	20
MARC5001A	Employ tools, equipment and materials in a shipboard context	40
MARD5001A	Manage business and administration on vessels limited by tonnage or near coastal operations	80
MARD5002A	Manage operations and maintenance on vessels limited by tonnage or near coastal operations	20
MARD6001A	Manage legal requirements of a vessel	40
MARE1001A	Communicate during shore-based mooring and untying operations	10
MARE5001A	Communicate effectively when performing engineering duties	40
MARF1001A	Apply basic survival skills in the event of vessel abandonment	30
MARF1002A	Follow procedures to minimise and fight fires on board a vessel	30

Unit Code	Unit Title	Nominal Hours
MARF1003A	Follow vessel security procedures	30
MARF1004A	Follow work health and safety, and emergency procedures during shore-based mooring operations	20
MARF1005A	Meet work health and safety requirements	20
MARF1006A	Survive at sea using survival craft	15
MARF3001A	Assist in an emergency response	30
MARF3002A	Observe personal safety and social responsibility	50
MARF3003A	Operate emergency equipment and apply emergency procedures	5
MARF3004A	Operate survival craft and other lifesaving appliances	50
MARF3005A	Prevent and fight fires on board a vessel	30
MARF3006A	Survive at sea in the event of vessel abandonment	30
MARF3007A	Work safely in confined spaces on a vessel	30
MARF4001A	Manage firefighting and fire prevention activities on board a vessel	90
MARF5001A	Control safe access to and on vessel	15
MARF5002A	Provide medical first aid on board a vessel	20
MARF5003A	Respond to emergencies	15
MARF6001A	Coordinate search and rescue operations	20
MARF6002A	Manage provision of medical care on board a vessel	40
MARF6003A	Manage safety and security of vessel crew and passengers	50
MARG1001A	Work effectively as part of a crew on a vessel up to 80 metres	10
MARG4001A	Manage a small crew	50
MARG4002A	Manage an engine room and small engineering team	40
MARG4003A	Supervise a crew	40
MARG5001A	Provide leadership to crew	40
MARG6001A	Manage a vessel and its crew	120
MARH2001A	Plan and navigate a passage for a vessel up to 12 metres	50
MARH3001A	Apply weather information when navigating inland waters as Master	20
MARH3002A	Manage and maintain a navigational watch on board vessels up to 80 metres	30
MARH3003A	Plan and navigate a passage for a vessel up to 80 metres	100
MARH3004A	Use wheelhouse equipment for safe navigation	60
MARH4001A	Forecast weather and oceanographic conditions	10
MARH5001A	Apply command navigation procedures on vessels limited by tonnage or near coastal operations	30
MARH5002A	Plan and conduct a passage	80
MARH5003A	Use an electronic chart display and information system to navigate safely	30
MARH5004A	Use bridge equipment to determine vessel position	30
MARH6001A	Forecast weather and oceanographic conditions to plan a safe passage	40
MARH6002A	Manage the navigation of a vessel 500 gross tonnage or more	60

Unit Code	Unit Title	Nominal Hours
MARI2001A	Comply with regulations to ensure safe operation of a vessel up to 12 metres	40
MARI3001A	Observe regulations to ensure safe operation of a vessel up to 80 metres	15
MARJ2001A	Follow environmental work practices	30
MARJ3001A	Monitor environmental management on a vessel	15
MARJ5001A	Ensure compliance with environmental management legislation	20
MARJ5002A	Inspect and report defects and damage to vessel	20
MARJ6001A	Manage compliance with environmental management legislation	25
MARK2001A	Handle a vessel up to 12 metres	100
MARK3001A	Manoeuvre a vessel up to 24 metres within near coastal waters	20
MARK3002A	Steer a vessel under direction of the Master	20
MARK4001A	Manoeuvre a vessel up to 80 metres	30
MARK5001A	Perform basic vessel manoeuvres	40
MARK6001A	Manoeuvre a vessel 500 gross tonnage or more	40
MARL4001A	Carry out engineering calculations	20
MARL5001A	Apply basic principles of marine electrotechnology	20
MARL5002A	Apply basic principles of marine engineering thermodynamics	20
MARL5003A	Apply basic principles of marine mechanics	20
MARL5004A	Apply basic principles of naval architecture	20
MARL5005A	Demonstrate basic knowledge of marine auxiliary boilers	20
MARL5006A	Demonstrate basic knowledge of marine auxiliary machinery and systems	30
MARL5007A	Demonstrate basic knowledge of marine control systems and automation	20
MARL5008A	Demonstrate basic knowledge of marine diesel engines and systems	20
MARL5009A	Demonstrate basic knowledge of marine electrical systems	20
MARL5010A	Demonstrate basic knowledge of marine steam turbines and main boilers	25
MARL5011A	Demonstrate basic knowledge of ships and ship routines	20
MARL5012A	Perform basic marine engineering calculations	25
MARL6001A	Apply intermediate principles of marine electrotechnology	50
MARL6002A	Apply intermediate principles of marine engineering thermodynamics	40
MARL6003A	Apply intermediate principles of marine mechanics	40
MARL6004A	Apply intermediate principles of naval architecture	40
MARL6005A	Apply advanced principles of marine electrotechnology	60
MARL6006A	Apply advanced principles of marine engineering thermodynamics	50
MARL6007A	Apply advanced principles of marine mechanics	50
MARL6008A	Apply advanced principles of naval architecture	50
MARL6009A	Demonstrate basic knowledge of ship construction	40
MARL6010A	Demonstrate basic knowledge of ship operation and maintenance	30

Unit Code	Unit Title	Nominal Hours
MARL6011A	Demonstrate intermediate knowledge of marine auxiliary boilers	30
MARL6012A	Demonstrate intermediate knowledge of marine auxiliary machinery and systems	40
MARL6013A	Demonstrate intermediate knowledge of marine control systems and automation	30
MARL6014A	Demonstrate intermediate knowledge of marine diesel engines and systems	40
MARL6015A	Demonstrate intermediate knowledge of marine electrical systems	40
MARL6016A	Demonstrate intermediate knowledge of marine steam turbines and main boilers	80
MARL6017A	Demonstrate advanced knowledge of marine auxiliary boilers	40
MARL6018A	Demonstrate advanced knowledge of marine auxiliary machinery and systems	50
MARL6019A	Demonstrate advanced knowledge of marine control systems and automation	60
MARL6020A	Demonstrate advanced knowledge of marine diesel engines and systems	50
MARL6021A	Demonstrate advanced knowledge of marine electrical systems	60
MARL6022A	Demonstrate advanced knowledge of marine steam turbines and main boilers	80
MARL6023A	Demonstrate advanced knowledge of ship operation and maintenance	60
MARM3001A	Apply knowledge of safety management system legal framework in the workplace	40
MARM3002A	Apply vessel construction theory to marine survey tasks	40
MARM3003A	Identify factors that affect a commercial vessel's fitness for purpose	40
MARM3004A	Work in the marine surveying sector	20
MARM4001A	Assess compliance with marine environment protection requirements	30
MARM4002A	Assist in the survey of commercial vessels	20
MARM4003A	Assist in the survey of vessel mechanical features	20
MARM4004A	Evaluate vessel stability	20
MARM4005A	Implement a systematic approach to the audit of safety management systems	20
MARM4006A	Survey lifesaving appliances, fire and other safety systems	20
MARM5001A	Calculate, assess and report on vessel trim and stability	100
MARM5002A	Conduct a range of surveys on domestic commercial vessels	60
MARM5003A	Conduct an audit of safety management systems	50
MARM5004A	Develop marine survey reports	40
MARM5005A	Participate in investigating marine incidents	50
MARM5006A	Survey hull and superstructure of a commercial vessel	40
MARM5007A	Survey vessel operational systems	40
MARM5008A	Undertake a periodic statutory survey	50
MARM5009A	Establish a marine surveyor practice	50

Unit Code	Unit Title	Nominal Hours
MARN1001A	Apply general purpose hand skills aboard a vessel	30
MARN2001A	Apply seamanship skills aboard a vessel up to 12 metres	50
MARN3001A	Perform seamanship operations on board a vessel up to 24 metres	25
MARN3002A	Use seamanship skills on board a vessel	50
MARN4001A	Manage seaworthiness of a vessel up to 80 metres	20
MARN5001A	Maintain seaworthiness of a vessel	20
MARN6001A	Manage cargo operations	60
MARO1001A	Perform basic lookout duties	15
MARO3001A	Contribute to monitoring and controlling a safe engine watch	10
MARO3002A	Contribute to monitoring and controlling a safe navigational watch	10
MARO5001A	Maintain a safe navigational watch	30
MARO5002A	Transmit and receive information by the Global Maritime Distress and Safety System	20
MARO5003A	Transmit and receive information by visual signalling	30

SAMPLE TRAINING PROGRAMS

All qualifications in the MAR13 Maritime Training Package are core only and so no Sample Training Plans have been included in this Purchasing Guide.

CONTACTS AND LINKS

Industry Skills Council (ISC)		
Transport and Logistics Industry Skills Council (TLISC)	This ISC is responsible for developing this of **MAR13 Maritime Training Package** and can be contacted for further information. You can also source copies of the Training Package and support material.	Address: Level 4, 411 Collins St Melbourne Phone: (03) 9604 7200 Email: enquiries@tlisc.org.au Web: tlisc.org.au
National Register for VET in Australia		
Training.gov.au (TGA)	TGA is the Australian governments' official National Register of information on Training Packages, qualifications, courses, units of competency and RTOs.	http://training.gov.au
Australian Government		
The Department of Industry, Innovation, Science, Research and Tertiary Education (DIISRTE)	DIISRTE provides a range of services and resources to assist in delivery of Training Packages. Search the DIISRTE website for links to a range of relevant resources and publications.	http://www.innovation.gov.au You may also find Department of Education Employment and Workplace Relations website of use http://www.deewr.gov.au
State Government		
Department of Education and Early Childhood Development Higher Education and Skills Group	Higher Education and Skills Group is responsible for funding and the implementation of Vocational Education and Training (VET) in Victoria, including Apprenticeships and Traineeships.	General information: www.skills.vic.gov.au Approved Training Schemes: http://www.skills.vic.gov.au/corporate/publications/brochures-and-fact-sheets/apprenticeships-and-traineeships-in-victoria-industry-guides
Curriculum Maintenance Manager (CMM)		
Transport and Distribution	The CMM service is provided by Executive Officers located within Victorian TAFE institutes on behalf of Skills Victoria.	Cheryl Bartolo PO Box14428 Melbourne, VIC 8001 (03) 9919 5302 cheryl.bartolo@vu.edu.au http://trainingsupport.skills.vic.gov.au
State VET Regulatory Authority		
Victorian Registration and	The VRQA is a statutory authority responsible for the registration of education and training providers in	www.vrqa.vic.gov.au

Qualifications Authority (VRQA)	Victoria to ensure the delivery of quality education and training.	Phone: 03 9637 2806

National VET Regulatory Authority

Australian Skills Quality Authority (ASQA)	ASQA is the national regulator for Australia's VET sector vocational education and training sector. ASQA regulates courses and training providers to ensure nationally approved quality standards are met.	www.asqa.gov.au Info line: 1300 701 801

Industry Regulatory Body

Australian Maritime Safety Authority (AMSA)	AMSA 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.	Address: Level 13, 15 William Street
		          Melbourne VIC 3000
		          Australia
		Phone (VIC Office): (03) 8612 6000
		Phone (Head Office): (02) 6279 5000
		Web: www.amsa.gov.au

Transport Safety 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.	Address: PO Box 2797, Melbourne VIC 3001 Phone: 1800 223 022 Email: information@transportsafety.vic.gov.au Web: www.transportsafety.vic.gov.au/maritime-safety

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.
Nominal Hours	The anticipated hours of supervised learning or training deemed necessary to conduct training and assessment activities associated with the program of study. These hours are determined by the Victorian State Training Authority. Nominal hours may vary for a qualification depending on the units of competency selected.
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.