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Education and Training November 2015

Case for Endorsement

MAR Maritime
Training Package
Version 4.0



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OVERVIEW

The Transport and Logistics Industry Skills Council (TLISC) covers a broad range of industry sectors including:

- Aviation
- Maritime
- Ports
- Rail
- Road Transport
- Logistics and Warehousing.

The MAR Maritime Training Package, which was endorsed in October 2013, was developed to ensure close alignment with the regulatory requirements of the National Standard for Commercial Vessels (NSCV) Part D and included near coastal qualifications and relevant units of competency. The endorsed components were also restructured to align with the *Standards for Training Packages*.

Subsequent versions of the MAR Maritime Training Package included a range of ocean-going qualifications. These qualifications directly aligned with the educational requirements specified by marine authorities for regulated occupations within ocean-going operations as defined in Marine Orders under the Australian Navigation Act 2012.

This submission puts a Case for Endorsement for the MAR Maritime Training Package V4.0 and includes the:

- MAR20116 Certificate II in Maritime Operations (Linesperson)
- MAR30116 Certificate III in Maritime Operations (Integrated Rating)
- MAR40116 Certificate IV in Maritime Operations (Chief Integrated Rating).

A list of material to be considered for endorsement can be found in **Appendix A**. The three qualifications and relevant units of competency are the remaining qualifications in MAR13 Maritime Training Package and conclude the transition of MAR13 to the Standards for Training Packages.

The MAR30116 Certificate III in Maritime Operations (Integrated Rating) and MAR40116 Certificate IV in Maritime Operations (Chief Integrated Rating) directly align with the educational requirements for certification as described in Marine Orders 70 and 73 (2014) Part 3 Seagoing Qualifications under the Australian Navigation Act 2012 by the Australian Maritime Safety Authority (AMSA). These qualifications have been aligned to the *Standards for Training Packages* and reviewed to better address the job role of Integrated Ratings and Chief Integrated Ratings.

MAR20116 Certificate II in Maritime Operations (Linesperson) supersedes MAR10213 Certificate I in Maritime Operations (Linesperson). MAR10213 was developed for people working in entry level positions in the maritime industry as a shore based linesperson. However, following endorsement an issue was raised about the inadequacy of the qualification, in as much as it did not address the needs of a lines launch person working on specialist lines vessels. Further consultation with industry indicated that a qualification should be developed to address the full range of skills required by a lines launch person and a shore based linesperson.

A variety of consultative methods were used to ensure stakeholder engagement, including establishing an industry based steering committee to oversee the project and conducting face to face consultations with key stakeholder representatives in Melbourne, Sydney and Perth. A list of steering committee members and stakeholders can be found in **Appendix C**.

Stakeholder agreement has been obtained for the components of the MAR Maritime Training Package V4.0 being submitted for endorsement.

SECTION 1 – RESPONSIVENESS & RECOGNITION QUALITY PRINCIPLES

Reflecting contemporary work organisation and job profiles

The steering committee established to oversee the development and transition of the qualifications to the *Standards for Training Packages* included broad Australian Maritime Industry representation.

The job roles established with the development of the original qualifications in MAR13 were carried over to the qualifications to be incorporated in the MAR Maritime Training Package V4.0. A comprehensive mapping was undertaken against the Standards of Training Certification and Watchkeeping for Seafarers (STCW), which resulted in the qualifications being restructured to address anomalies and better address STCW requirements.

Focus group meetings were held in Melbourne, Sydney and Perth with the purpose of validating the proposed qualifications and the job role of an Integrated Rating and Chief Integrated Rating. As a result of these meetings the proposed qualifications and units of competency were further amended, imported units were identified for inclusion and new units were developed.

The proposed changes acknowledge the variety of skills required by Integrated and Chief Integrated Ratings and have been redrafted to ensure relevance to the range of workplace roles.

Confirmation was also provided by a range of enterprises that the skills required by a shore based lines person and a lines launch person are transferable and required in both job roles. A Technical Advisory Group (TAG) was then established with representation from:

- Patricks – Darwin Ports
- Ausbarge Group N.M.A.
- Maritime Union of Australia
- National Maritime Services Pty Ltd (NMA)
- Port of Newcastle
- Svitzer
- Port Kembla Port.

On completion of a functional analysis the original job role was amended, which informed the development of a draft qualification and units of competency that addressed the full range of skills required by shore based and lines launch persons.

The proposed qualification acknowledges the variety of environments and skills required by a linesperson, with particular emphasis on safety and situational awareness. MAR20116 Certificate II in Maritime Operations (Linesperson) now addresses the qualification needs of a shore based linesperson and a linesperson working on specialist line launches.

The units of competency and qualifications meet the requirements of the *Standards for Training Packages*. This has been confirmed by the independent Quality Report which can be found in **Appendix B**.

The Companion Volume Implementation Guide will be available on the TLISC website: <http://tlisc.org.au/training-packages/maritime-training/>. This Companion Volume has been quality assured through the TLISC quality assurance process.

Driven by industry needs

The Government's shipping reforms introduced new structural and regulatory changes aimed at revitalising Australia's Maritime Industry. In addition to the changes to regulation in the Maritime Industry, the material submitted for endorsement has been revised as a result of stakeholder review. Feedback during the consultation highlighted the need for these changes.

The MAR Maritime Training Package V4.0 and subsequent qualifications and units of competency will assist the Maritime Industry to meet these requirements.

In late 2014 TLISC was approached by industry to develop a qualification that addressed the full range of skills for linespersons working in the Maritime Industry. Industry was concerned that MAR10213 Certificate I in Maritime Operations (Linesperson) only covered the skills required by a shore based linesperson. It did not cover the skills required of a lines launch person working on specialist lines vessels. Industry was further consulted, which resulted in a Certificate II level qualification being developed.

Responding to government broad policy initiatives

Under the new Marine Safety (Domestic Commercial Vessel) National Law, AMSA became the national maritime regulator for commercial vessel safety regulation in March 2013, delivering a national system in Australia for the first time.

TLISC has worked closely with AMSA to ensure the MAR Maritime Training Package supports this regulatory reform. The MAR Maritime Training Package V4.0 qualifications and units of competency ensure close alignment with the regulatory requirements and accommodate multiple job roles, enterprise requirements and the changing technological nature of the Maritime Industry.

The proposed MAR30116 Certificate III in Maritime Operations (Integrated Rating) and the MAR40116 Certificate IV in Maritime Operations (Chief Integrated Rating) directly align with the educational requirements specified for regulated occupations within the Marine Orders 70-73 (2014) under the Australian Navigation Act 2012 by AMSA.

Recognising convergence and connectivity of skills

Safety underpins all work in the Maritime Industry and is specifically reflected in the MAR Maritime Training Package across all units of competency. In MAR V4.0, there are a range of newly developed units that address convergence and connectivity within the qualifications. These are based on emerging trends in the Maritime Industry.

While convergence and connectivity is limited due to the highly specialised nature of the industry, it is recognised by units being available to other industries to import into their qualifications.

The inclusion of business services, manufacturing, community services and health, road transport, and training and assessment units of competency will also promote convergence and movement within the industry and across other related industries.

Supporting movement of skills within and across organisations and sectors

It is anticipated that industries with a link to the Maritime Industry (such as fishing, tourism, harbor craft, public safety) will find MAR Maritime Training Package V4.0 units of competency applicable.

Packaging rules for qualifications are clear and consistent, and allow a logical progression of skills development between AQF levels. People with industry experience can undertake a qualification at a level that will suit their particular experience and previously attained skills and knowledge.

Promoting national and international portability

The proposed qualifications and units of competency have national portability. The Certificate III in Maritime Operations (Integrated Rating) and the Certificate IV in Maritime Operations (Chief Integrated Rating) are based on international standards where they apply i.e. the STCW.

The STCW is set by the International Maritime Organisation (an arm of the UN based in London). AMSA is a signatory nation and as such adopts a majority of the STCW conventions and protocols, which are then reflected in Marine Orders 70-73 (2014).

The proposed qualification outcomes are aligned with the Australian Qualifications Framework (AQF).

Reflecting licensing and regulatory requirements

Regulatory reform was the main driver in developing the MAR Maritime Training Package and subsequent qualifications, units of competency and Skill Sets.

The proposed MAR30116 Certificate III in Maritime Operations (Integrated Rating) and the MAR40116 Certificate IV in Maritime Operations (Chief Integrated Rating) will lead to certification by AMSA when considered with other requirements such as sea-service, appropriate radio certificates, certificate of medical fitness and short course requirements. People seeking certification are advised to check with AMSA; this advice has been stated in the qualifications. This information is identified in the Companion Volume Implementation Guide.

The State Training Authorities have indicated their support for the Case for Endorsement and for the proposed components to be submitted for endorsement.

Data on VET delivery and participation

Participation data for the relevant Maritime Industry qualifications is provided below. Limited NCVER data is available for qualifications endorsed in 2013; where these qualifications supersede TDM07 Maritime Training Package qualifications, TDM07 qualification data has been provided.

Qualification	A	B	C	D	E	F
MAR10213 Certificate I in Maritime Operations (Linesperson)/TDM10207 Certificate in Transport Distribution (Maritime Operations Shore Based Linesperson)	63	0	0	0	0	3
MAR30113 Certificate III in Maritime Operations (Integrated Rating)/TDM30307 Certificate III in Transport and Distribution (Maritime Operations Integrated Rating)	268	221	236	139	237	3
MAR40113 Certificate IV in Maritime Operations (Chief Integrated Rating)	NA	NA	NA	NA	NA	0

Legend:

A – Enrolments 2011	E – Total number of apprenticeships/traineeships commencements (2011–2014)
B – Enrolments 2012	F – Number of RTOs with the qualification on their scope (<i>training.gov.au May 2013</i>)
C – Enrolments 2013	NA – No NCVER data available
D – Enrolments 2014	

Notes on the data:

- NCVER's Student and Courses database (VET students enrolled) and Apprentices and Trainees database (apprentices and trainees data).
- Data is for publicly-funded enrolments only (privately funded training is excluded).
- Data is valid as at 18 September 2015, and may be subject to retroactive changes as the NCVER's databases are updated with state and training provider submissions.
- 2014 data is incomplete and will continue to be updated throughout the year.

SECTION 2 – FLEXIBILITY & FUNCTIONALITY QUALITY PRINCIPLES

Meeting the diversity of individual and enterprise needs

Stakeholders consulted in the development and validation of the proposed qualifications and units of competency came from a range of organisations. The qualifications and units of competency that have been developed or modified are designed to best reflect the needs of individuals and enterprises. To enhance flexibility and transferability of skills across sectors, imported units have been incorporated within the three qualifications.

The proposed MAR30116 Certificate III in Maritime Operations (Integrated Rating) and the MAR40116 Certificate IV in Maritime Operations (Chief Integrated Rating) are structured to meet the regulatory requirements of the Maritime Industry. They clearly indicate that they form some of the requirements for certification or accreditation by AMSA and that people seeking such certification or accreditation should check with AMSA.

Supporting equitable access and progression of learners

There are no prerequisite units of competency for maritime specific units of competency in the MAR Maritime Training Package V4.0. In each unit of competency the assessment requirements states that 'Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate'.

The equity report provides evidence that the draft endorsed components address the principles of responsiveness, flexibility and functionality.

Supporting learner transition between education sectors

There are no formal transition arrangements between the vocational education and training sector and the higher education sector for the MAR Maritime Training Package V4.0.

Supporting implementation across a range of settings

The MAR Maritime Training Package Companion Volume Implementation Guide provides advice on implementation. There are no barriers to the implementation of the units of competency. They can be delivered and assessed in the workplace or in a simulated environment.

The assessment requirements support implementation across a range of settings and can be modified for distance-based learners and cultural appropriateness. They are suitable for the level of communication, language, literacy and numeracy capabilities of the work being performed.

Supporting sound assessment practice

As a minimum, assessors and assessment must satisfy applicable regulatory requirements, which include requirements in the *Standards for Registered Training Organisations*, current at the time of assessment.

Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

The requirements for assessment within the proposed units of competency specify:

- performance evidence
- knowledge evidence
- assessment conditions.

Evidence of performance must demonstrate that the learner has successfully met the requirements of the elements and performance criteria in the units of competency. The frequency and volume of this evidence is to be determined by the assessor and in most cases would vary depending on the context under which assessment is conducted and the aptitude of the learner. However, as a minimum, evidence required to demonstrate competence must be provided on at least one occasion.

This approach supports AMSA's requirements for certification, which is about an individual's progression through certification requirements (and by implication Training Package qualifications). It also supports the Australian Skills Quality Authority (ASQA) principle that 'quality and quantity of evidence presented reflects that all aspects of competency have been satisfied and that competency can be demonstrated repeatedly'.

Supporting implementation through compliance with National Register requirements

The endorsed components meet the requirements for the *Standards for Training Packages* and the National Register i.e. training.gov.au and therefore present no structural barriers at the systems implementation level.

SECTION 3 – IMPACT OF CHANGES

There are no known structural barriers to the implementation of the proposed units of competency or qualifications.

Industry priorities and expectations

The MAR30116 Certificate III in Maritime Operations (Integrated Rating) and the MAR40116 Certificate IV in Maritime Operations (Chief Integrated Rating) directly align with the educational requirements specified within Marine Orders 70-73 (2014) under the Navigation Act 2012. Industry priorities are that the units of competency and qualifications reflect AMSA's requirements and the training needs of the industry.

The MAR20116 Certificate II in Maritime Operations (Linesperson) is structured to accommodate the current and future needs of the Maritime Industry.

Industry's expectations are that the training provided by RTOs will address these needs and individuals will graduate with skills that are relevant and transferable across the industry, enterprises and work contexts.

Industry's imperatives and timelines for implementation of the components

No imperatives or timelines for implementation have been identified.

Overarching expectations of industry for the delivery/assessment of the components

The industry expectation is that qualification graduates will be equipped to operate effectively and efficiently in the work environment, and that RTOs will focus on providing quality training and assessment that is consistent and meets the outcomes identified in the units of competency.

Public/private training and assessment services

The proposed qualifications and units of competency will replace the relevant qualifications and units of competency in MAR13 Maritime Training Package Version 1.0.

RTOs wanting to deliver and/or assess against the proposed qualifications and units of competency will need to update their scope of registration accordingly. RTOs will be required to restructure programs in line with the new qualifications.

The assessment requirements in the proposed units of competency have been written to assist RTOs in assessing the units in a variety of environments and workplace contexts. These changes may incur additional administrative and compliance costs. Modifications will need to be made to existing training and assessment materials.

Enterprises

No negative impact.

By incorporating the skills required by shore based and specialist lines vessel personnel in the MAR20116 Certificate II in Maritime Operations (Linesperson), enterprises will have access to personnel with higher level, transferable skills across the industry.

Licensing and regulatory environment

No negative impact.

Policy environment

Training and VET policies have been addressed during the development process through consultation with State Training Authorities and State/Territory Industry Skills Councils.

Systemic issues

Key issues that will ensure the effective implementation of the qualifications and units of competency include valid and reliable assessment by RTOs, especially in relation to skills recognition.

APPENDIX A: COMPONENTS FOR ENDORSEMENT

Qualifications	
MAR20116	Certificate II in Maritime Operations (Linesperson)
MAR30116	Certificate III in Maritime Operations (Integrated Rating)
MAR40116	Certificate IV in Maritime Operations (Chief Integrated Rating)

Units of Competency	
MARB016	Contribute to routine engine maintenance on a vessel
MARB017	Perform routine maintenance and repairs on a vessel
MARB018	Implement vessel planned maintenance system
MARB019	Manage stores for planned maintenance system
MARB025	Maintain mooring equipment
MARB026	Apply knowledge of marine terminology and port procedures
MARC022	Perform mooring and unmooring activities
MARC027	Contribute to the operation of engine equipment and associated propulsion plant
MARC028	Operate deck machinery, cargo handling gear and equipment on a vessel
MARC029	Perform rigging on board a vessel
MARC030	Use and care for hand and power tools
MARC031	Shift mooring lines using mechanical means
MARC032	Perform dogging on board a vessel
MARE002	Communicate during mooring and unmooring activities
MARF017	Follow work health and safety, and emergency procedures during mooring and unmooring activities
MARF018	Assist in an emergency response
MARF019	Operate emergency equipment and apply emergency procedures
MARF026	Follow port and terminal security procedures
MARG005	Supervise a crew
MARK005	Steer a vessel under direction of the Master
MARN007	Use seamanship skills on board a vessel
MARO005	Contribute to monitoring and controlling a safe engine watch
MARO006	Contribute to monitoring and controlling a safe navigational watch

Advice on occupational and licensing requirements

Qualifications and Skill Sets in the MAR Maritime Training Package address the educational requirements specified by marine authorities for regulated occupations within:

- coastal operations as defined in the NSCV Part D, and
- ocean-going operations as defined in Marine Orders under the Australian Navigation Act 2012.

The MAR30116 Certificate III in Maritime Operations (Integrated Rating) and the MAR40116 Certificate IV in Maritime Operations (Chief Integrated Rating) are structured to address some of the requirements for certification as described in Marine Orders 70-73 (2014) under the Australian Navigation Act 2012 by AMSA.

People seeking certification should check the requirements with AMSA.

Credit arrangements existing between Training Package qualifications and higher education qualifications

Currently there are no credit transfer arrangements between the proposed qualifications/units of competency in this Training Package and higher education qualifications.

Mapping Summary: Qualifications

Key: E = equivalent, N = not equivalent, N/A = not applicable

Equivalent means outcomes of old and new qualifications are equivalent

MAR Maritime Training Package Version 4.0

Note: the following qualifications have been aligned with the *Standards for Training Packages*.

TDM07 Maritime Training Package Version 1.0	MAR13 Maritime Training Package Version 1.0	MAR Maritime Training Package Version 4.0	Comment	E/N
TDM10207 Certificate I in Transport & Distribution (Maritime Operations - ShoreBased Linesperson)	MAR10213 Certificate I in Maritime Operations (Linesperson)	MAR20116 Certificate II in Maritime Operations (Linesperson)	Total number of units increased from seven to eleven. Current units modified to include skills required by linesperson working on a lines launch.	N
TDM30307 Certificate III in Transport & Distribution (Maritime Operations - Integrated Rating)	MAR30113 Certificate III in Maritime Operations (Integrated Rating)	MAR30116 Certificate III in Maritime Operations (Integrated Rating)	Total number of units increased from eighteen to twenty-two. Additional units included to cover the AMSA Certificate of Safety Training, dogging, rigging and hand and power tools.	N
NA	MAR40113 Certificate IV in Maritime Operations (Chief Integrated Rating)	MAR40116 Certificate IV in Maritime Operations (Chief Integrated Rating)	Total number of units increased from twenty-two to twenty-seven.	N

Mapping Summary: Units of Competency

Key: E = equivalent, N = not equivalent, NA = not applicable

Equivalent means outcomes of old and new units are equivalent

MAR Maritime Training Package Version 4.0

Note: the following units of competency have been aligned with the *Standards for Training Packages*.

TDM07 Maritime Training Package Version 1.0	MAR13 Maritime Training Package Version 1.0	MAR Maritime Training Package Version 1.0	MAR Maritime Training Package Version 4.0	Comments E/N
TDMMR5407B Carry out refuelling and fuel transfer operations	MARB4003A Manage refuelling	MARB009 Manage refuelling	MARB009 Manage refuelling	E Correction to typographical error in Performance Criteria 2.9.
NA	MARB3002A Perform routine engine maintenance on a vessel	NA	MARB016 Contribute to routine engine maintenance on a vessel	E Title changed, additional information included in Knowledge Evidence (KE) and Application amended to place the emphasis on 'assist' and 'under the direction of the officer of the watch'.
NA	MARB3003A Perform routine maintenance and repairs on a vessel	NA	MARB017 Perform routine maintenance and repairs on a vessel	E KE and Performance Evidence (PE) amended to include use and maintenance of lifting gear, corrosion control and preventive measures.
NA	MARB4002A Implement vessel planned maintenance system	NA	MARB018 Implement vessel planned maintenance system	E Computer application and software included in PE and KE.
NA	MARB4004A Manage stores for planned maintenance system	NA	MARB019 Manage stores for planned maintenance system	E Computer application and software included in PE and KE.
NA	NA	NA	MARB025 Maintain mooring equipment	New unit
NA	NA	NA	MARB026 Apply knowledge of marine terminology and port	New unit

TDM07 Maritime Training Package Version 1.0	MAR13 Maritime Training Package Version 1.0	MAR Maritime Training Package Version 1.0	MAR Maritime Training Package Version 4.0	Comments E/N
			procedures	
TDMMR5607A Carry out shore-based mooring and untying operations	MARC1001A Carry out shore-based mooring and untying operations	NA	MARC022 Perform mooring and unmooring activities	N Title changed, unit amended to include shore based and launch based mooring and unmooring activities. Additional Performance Criteria (PCs) added to Element 2 and 3. RoC, PE and KE amended to include relevant launch based activities.
NA	MARC3008A Operate engine equipment and associated propulsion plant	NA	MARC027 Contribute to the operation of engine equipment and associated propulsion plant	E KE and PE amended to include purpose and application of lock out tags, and rights and responsibility of individuals. Application amended to place the emphasis on 'assist' and 'under the direction of the officer of the watch'.
NA	MARC3006A Operate deck machinery, cargo handling gear and equipment on a vessel	NA	MARC028 Operate deck machinery, cargo handling gear and equipment on a vessel	N KE and PE amended to include: <ul style="list-style-type: none"> • welding equipment and hazards • safety, use and maintenance of lifting equipment. KE amended to include: <ul style="list-style-type: none"> • replacing winch wire and attaching new wire to winch drum • faulty and damaged wire and ropes and associated hazards. Components of tanker familiarisation included as additional PCs, KE and PE.

TDM07 Maritime Training Package Version 1.0	MAR13 Maritime Training Package Version 1.0	MAR Maritime Training Package Version 1.0	MAR Maritime Training Package Version 4.0	Comments E/N
TDMMR3307B Perform rigging and lifting operations on board a vessel	NA	NA	MARC029 Perform rigging on board a vessel	E Aligned to the <i>Standards for Training Packages</i> .
TDMMR4707B Use and care for hand and power tools	NA	NA	MARC030 Use and care for hand and power tools	E Aligned to the <i>Standards for Training Packages</i> .
NA	NA	NA	MARC031 Shift mooring lines using mechanical means	New unit
NA	NA	NA	MARC032 Perform dogging on board a vessel	New unit
TDMME907A Communicate during shore-based mooring and untying operations	MARE1001A Communicate during shore-based mooring and untying operations	NA	MARE002 Communicate during mooring and unmooring activities	E Title changed and unit amended to include both shore based and launch based mooring. VHF and non-verbal communication included in PCs, PE and KE.
NA	NA	MARF006 Observe personal safety and social responsibility	MARF006 Observe personal safety and social responsibility	E ISC upgrade – KE amended to better align with the STCW.
NA	NA	MARF007 Operate survival craft and other lifesaving appliances	MARF007 Operate survival craft and other lifesaving appliances	E ISC upgrade – KE amended to include awareness of MLC and International code of signals included in KE.
NA	NA	MARF008 Prevent and fight fires on board a vessel	MARF008 Prevent and fight fires on board a vessel	E ISC upgrade – KE amended to better align with the STCW and working effectively as part of a team included in KE and PE.
TDMMF6007A Follow OH&S and emergency procedures during shorebased mooring operations.	MARF1004A Follow work health and safety, and emergency procedures during shore-based mooring operations	NA	MARF017 Follow work health and safety, and emergency procedures during mooring and unmooring activities	E Title changed and unit amended to include both shore based and launch based mooring. Greater emphasis placed on individual differences,

TDM07 Maritime Training Package Version 1.0	MAR13 Maritime Training Package Version 1.0	MAR Maritime Training Package Version 1.0	MAR Maritime Training Package Version 4.0	Comments E/N
				acceptable behaviour, rights and responsibilities of individuals. Safety drills, snap back zones and testing of equipment included.
NA	MARF3001A Assist in an emergency response	NA	MARF018 Assist in an emergency response	E Element 1, PE and KE amended to include emergency response team (awareness and participation).
TDMMF2307B Operate emergency equipment and apply emergency procedures	MARF3003A Operate emergency equipment and apply emergency procedures	NA	MARF019 Operate emergency equipment and apply emergency procedures	E Aligned to the <i>Standards for Training Packages</i> .
NA	NA	NA	MARF026 Follow port and terminal security procedures	New Unit.
NA	MARG4003A Supervise a crew	NA	MARG005 Supervise a crew	E Risk assessment, principles, analysis and treatments included as additional PCs in Element 1, PE and KE.
NA	NA	MARJ001 Follow environmental work practices	MARJ001 Follow environmental work practices	E ISC upgrade – Awareness of MARPOL and types of waste compactors and crushers suitable for use on board a vessel included in KE. Safety and hazard control procedures included in PE.
TDMMC1007C Steer a vessel under the direction of the master or officer in charge of the watch	MARK3002A Steer a vessel under direction of the Master	NA	MARK005 Steer a vessel under direction of the Master	E Aligned to the <i>Standards for Training Packages</i> .
NA	MARN3002A Use seamanship skills on board a vessel	NA	MARN007 Use seamanship skills on board a vessel	E PE and KE amended to include procedures

TDM07 Maritime Training Package Version 1.0	MAR13 Maritime Training Package Version 1.0	MAR Maritime Training Package Version 1.0	MAR Maritime Training Package Version 4.0	Comments E/N
				<p>for safe handling, stowage and securing of cargoes and stores, including dangerous, hazardous and harmful substances and liquids.</p> <p>KE amended to include:</p> <ul style="list-style-type: none"> • IMDG labelling • working aloft. <p>Element 5 'Rig and unrig safely' removed from unit.</p>
NA	MARO3001A Contribute to monitoring and controlling a safe engine watch	NA	MARO005 Contribute to monitoring and controlling a safe engine watch	<p>E</p> <p>Aligned to the <i>Standards for Training Packages</i>.</p> <p>Application amended to place the emphasis on 'assist' and 'under the direction of the officer of the watch'.</p>
NA	MARO3002A Contribute to monitoring and controlling a safe navigational watch	NA	MARO006 Contribute to monitoring and controlling a safe navigational watch	<p>E</p> <p>Aligned to the <i>Standards for Training Packages</i>.</p>

Mapping Summary: Skill Sets

Key: E = equivalent, N = not equivalent, NA = not applicable

Equivalent means outcomes of old and new Skill Sets are equivalent

MAR Maritime Training Package Version 4.0

TDM07 Maritime Training Package Version 1.0	MAR13 Maritime Training Package Version 1.0	MAR Maritime Training Package Version 4.0	Comments
NA	NA	MARSS00015 Marine Dogging and Rigging Skill Set	New Skill Set.
NA	NA	MARSS00016 Tanker Familiarisation Skill Set	New Skill Set.
NA	MARSS00001 Coxswains Grade 1 and Grade 2 Skill Set	MARSS00017 Coxswains Grade 1 Skill Set	E Aligned to the <i>Standards for Training Packages</i> , unit codes updated.
NA	NA	MARSS00018 Marine Dogging Skill Set	New Skill Set.
NA	NA	MARSS00019 Marine Rigging Skill Set	New Skill Set.

Training Package modification history

Version Number	Release Date	Comments
4.0	24 February 2016	<p>Three qualifications revised and transitioned to the <i>Standards for Training Packages</i>.</p> <p>Qualifications:</p> <ul style="list-style-type: none"> MAR20116 Certificate II in Maritime Operations (Linesperson) MAR30116 Certificate III in Maritime Operations (Integrated Rating) MAR40116 Certificate IV in Maritime Operations (Chief Integrated Rating) <p>Eighteen units of competency revised and transitioned to the <i>Standards for Training Packages</i> and five new units of competency:</p> <p>Units of competency:</p> <ul style="list-style-type: none"> MARB016 Contribute to routine engine maintenance on a vessel MARB017 Perform routine maintenance and repairs on a vessel MARB018 Implement vessel planned maintenance system MARB019 Manage stores for planned maintenance system MARB025 Maintain mooring equipment

		<ul style="list-style-type: none"> • MARB026 Apply knowledge of marine terminology and port procedures • MARC022 Perform mooring and unmooring activities • MARC027 Contribute to the operation of engine equipment and associated propulsion plant • MARC028 Operate deck machinery, cargo handling gear and equipment on a vessel • MARC029 Perform rigging on board a vessel • MARC030 Use and care for hand and power tools • MARC031 Shift mooring lines using mechanical means • MARC032 Perform dogging on board a vessel • MARE002 Communicate during mooring and unmooring activities • MARF017 Follow work health and safety, and emergency procedures during mooring and unmooring activities • MARF018 Assist in an emergency response • MARF019 Operate emergency equipment and apply emergency procedures • MARF026 Follow port and terminal security procedures • MARG005 Supervise a crew • MARK005 Steer a vessel under direction of the Master • MARN007 Use seamanship skills on board a vessel • MARO005 Contribute to monitoring and controlling a safe engine watch • MARO006 Contribute to monitoring and controlling a safe navigational watch <p>Skill Sets:</p> <p>New Skill Sets for Tanker Familiarisation and Dogging and Rigging:</p> <ul style="list-style-type: none"> • MARSS00015 Marine Dogging and Rigging Skill Set • MARSS00016 Tanker Familiarisation Skill Set • MARSS00017 Coxswains Grade 1 Skill Set • MARSS00018 Marine Dogging Skill Set • MARSS00019 Marine Rigging Skill Set <p>ISC upgrade:</p> <p>Amendments to the following units of competency:</p> <ul style="list-style-type: none"> • MARB009 Manage refuelling • MARF006 Observe personal safety and social responsibility • MARF007 Operate survival craft and other lifesaving appliances • MARF008 Prevent and fight fires on board a vessel • MARJ001 Follow environmental work practices.
3.0	7 September 2015	<p>Four qualifications transitioned to the <i>Standards for Training Packages</i> and one new qualification.</p> <p>Qualifications:</p> <ul style="list-style-type: none"> • 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)

		<p>Twelve units of competency transitioned to the <i>Standards for Training Packages</i> and eight new units of competency:</p> <p>Units of competency:</p> <ul style="list-style-type: none"> • MARA009 Manage stability of a vessel 500 gross tonnage or more • MARA010 Manage loading, unloading and stowage of cargo • MARB020 Manage repairs and maintenance of a vessel 500 gross tonnage or more • MARB021 Perform routine tasks in a marina • MARB022 Refuel a vessel • MARB023 Maintain marina infrastructure • MARB024 Undertake basic boatyard operations • MARC026 Operate remote controls of propulsion plant and engineering systems • MARD003 Manage legal requirements of a vessel • MARF020 Coordinate search and rescue operations • MARF021 Manage safety and security of vessel crew and passengers • MARF023 Apply safe work practices in a marina • MARF024 Classify marina infrastructure, vessels and staffing structure • MARF025 Respond to marina emergencies • MARG006 Manage a vessel and its crew • MARH011 Forecast weather and oceanographic conditions to plan a safe passage • MARH012 Manage the navigation of a vessel 500 gross tonnage or more • MARJ005 Manage compliance with environmental management legislation • MARK006 Manoeuvre a vessel 500 gross tonnage or more • MARN006 Manage cargo operations <p>ISC upgrade:</p> <p>Amendments to the following units of competency:</p> <ul style="list-style-type: none"> • MARH004 Plan and navigate a passage for a vessel up to 80 metres • MARH005 Use wheelhouse equipment for safe navigation
2.0	27 February 2015	<p>Seven qualifications transitioned to the <i>Standards for Training Packages</i>.</p> <p>Qualifications:</p> <ul style="list-style-type: none"> • MAR30115 Certificate III in Maritime Operations (Marine Engine Driver Steam) • MAR30215 Certificate III in Maritime Operations (Marine Surveying) • MAR40115 Certificate IV in Maritime Operations (Marine Surveying) • MAR50115 Diploma of Maritime Operations (Engineer Watchkeeper) • MAR50215 Diploma of Maritime Operations (Marine Surveying) • MAR60114 Advanced Diploma of Maritime Operations (Marine Engineering Class 2) • MAR60215 Advanced Diploma of Maritime Operations (Marine Engineering Class1) <p>Fifty units of competency transitioned to the <i>Standards for Training Packages</i> and two new units of competency.</p> <p>Units of competency:</p>

		<ul style="list-style-type: none"> • MARF022 Apply maritime resource management principles • MARL037 Demonstrate knowledge of ships and ship routines <p>New units for Radio Operator and Fast Rescue Craft:</p> <ul style="list-style-type: none"> • MARC019 Transmit and receive information by marine VHF radio within Australian Territorial Waters • MARC020 Transmit and receive information by marine radio • MARC021 Transmit and receive information by marine VHF radio • MARF016 Carry out fast rescue craft operations <p>New units for Offshore Familiarisation:</p> <ul style="list-style-type: none"> • MARA007 Contribute to safe cargo operations on offshore support vessels • MARA008 Contribute to safe anchor handling and towing operations <p>Skill Sets:</p> <p>New Skill Sets for Radio Operator and Fast Rescue Craft:</p> <ul style="list-style-type: none"> • MARSS00009 Australian Territorial Waters VHF Radio Operators • MARSS00010 Marine Radio Operators VHF and HF • MARSS00011 Marine Radio Operators VHF • MARSS00012 Fast Rescue Craft Operations. <p>New Skill Sets for Offshore Familiarisation:</p> <ul style="list-style-type: none"> • MARSS00013 Cargo Handling Skill Set • MARSS00014 Anchor Handling and Cargo Operations Skill Set <p>ISC upgrade:</p> <p>Amendments to the following Skill Set:</p> <ul style="list-style-type: none"> • MARSS00008 Shipboard Safety Skill Set <p>Amendments to the following units of competency:</p> <ul style="list-style-type: none"> • MARB004 Perform routine maintenance on a vessel up to 24 metres • MARB006 Maintain marine internal combustion engines, propulsion plant and auxiliary systems • MARF001 Apply basic survival skills in the event of vessel abandonment • MARF002 Follow procedures to minimise and fight fires on board a vessel • MARF004 Meet work health and safety requirements • MARF005 Survive at sea using survival craft • MARK001 Handle a vessel up to 12 metres • MARO003 Transmit and receive information by the global maritime distress and safety system
1.1	3 December 2013	<p>ISC upgrade</p> <p>Minor corrections to the following units of competency:</p> <ul style="list-style-type: none"> • MARA005 • MARC008 • MARC009 • MARC010 • MARC011 • MARC018
1.0	7 October 2013	<p>Primary release</p> <p>The MAR Maritime Training Package is the result of the near coastal</p>

		<p>material in the MAR13 Maritime Training Package being transitioned to the new <i>Standards for Training Packages</i>.</p> <p>The remaining material in the MAR13 Maritime Training Package will be transitioned to the MAR Maritime Training Package over time.</p>
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APPENDIX B: QUALITY REPORT

Quality Report

SECTION 1 – DETAILS OF DRAFT TRAINING PACKAGE COMPONENTS

INFORMATION REQUIRED	DETAIL
Training Package title and code	MAR Maritime Training Package v 4.0
Number of new or revised qualifications	3 revised qualifications.
Number of new or revised units	23 units of competency 18 new units and 5 revised units. There are an additional 5 updated units that have been previously endorsed.
Confirmation that the draft endorsed components meet the Standards for Training Packages	The draft endorsed components meet the Standards for Training Packages.
Panel member completing Quality Report	Wendy Davies
Statement that the reviewer is independent of development and/or validation activities associated with the <i>Case for Endorsement</i> , has not undertaken the <i>Equity</i> and/or <i>Editorial Report</i> , and (if an ISC staff member), is from an ISC independent of the Training Package or Training Package components being reviewed.	Wendy Davies has not been involved in the development or validation of the MAR Training Package and has not undertaken the Equity or Editorial report.
Date completed	7 Oct 2015

SECTION 2 – COMPLIANCE WITH THE STANDARDS FOR TRAINING PACKAGES

Standards for Training Packages	Standard met – yes or no	Comments (including any relevant comments from the Equity and Editorial Reports)
<p>Standard 1 Training Packages consist of the following:</p> <ol style="list-style-type: none"> 1. NSSC endorsed components: <ul style="list-style-type: none"> • units of competency; • assessment requirements (associated with each unit of competency); • qualifications; and • credit arrangements. 2. One or more quality assured companion volumes. 	Yes	
<p>Standard 2 Training Package developers comply with the NSSC Training Package Products Policy.</p>	Yes	
<p>Standard 3 Training Package developers comply with the NSSC Training Package Development and Endorsement Process Policy.</p>	Yes	The consultation and validation processes as described in the Case for Endorsement comply with Standard 3.
<p>Standard 4 Units of competency specify the standards of performance required in the workplace.</p>	Yes	
<p>Standard 5 The structure of units of competency complies with the unit of competency template.</p>	Yes	
<p>Standard 6 Assessment requirements specify the evidence and required conditions for assessment.</p>	Yes	<p>The assessment requirements provide detailed, explicit requirements that specify the industry requirement for evidence of assessment.</p> <p>The assessment requirements are written in a way that allows assessors to contextualise the assessment evidence to meet individual candidate's needs.</p>
<p>Standard 7 Every unit of competency has associated assessment requirements. The structure of assessment requirements complies with the assessment requirements template.</p>	Yes	

Standards for Training Packages	Standard met – yes or no	Comments (including any relevant comments from the Equity and Editorial Reports)
Standard 8 Qualifications comply with the Australian Qualifications Framework specification for that qualification type.	Yes	
Standard 9 The structure of the information for the Australian Qualifications Framework qualification complies with the qualification template.	Yes	
Standard 10 Credit arrangements existing between Training Package qualifications and Higher Education qualifications are listed in a format that complies with the credit arrangements template.	Yes	At the time of endorsement no national credit arrangements with higher education institutions exist.
Standard 11 A quality assured companion volume implementation guide produced by the Training Package developer is available at the time of endorsement and complies with the companion volume implementation guide template.	Yes	
Standard 12 Training Package developers produce other quality assured companion volumes to meet the needs of their stakeholders as required.	Yes	

SECTION 3 – COMMENTS ON HOW THE DRAFT TRAINING PACKAGE COMPONENTS MEET THE QUALITY PRINCIPLES

QUALITY PRINCIPLES	KEY FEATURES	EXAMPLES OF EVIDENCE	MET – YES OR NO	COMMENTS/ OTHER EVIDENCE DEMONSTRATED <i>Provide brief commentary on how the draft endorsed components meet the Quality Principles with specific reference to the evidence provided, including any evidence provided by the Equity and Editorial Reports</i>
<p><i>Ensures ...</i> RESPONSIVENESS <i>... to the needs of contemporary industry and its workforce</i></p>	<p>1. Reflect contemporary work organisation and job profiles incorporating a futures orientation</p>	<p>1.1 Open and inclusive consultation and validation commensurate with scope and impact is conducted</p>	<p>Yes</p>	<p>MAR reflects changes in legislation, regulation and work practices. A consultation and validation process suitable for the units of competency has been conducted and relevant stakeholders were invited to participate. The Case for Endorsement outlines the processes (p 2) and provides a list of people on the reference group, and key stakeholders groups consulted (Appendix C).</p>
	<p>2. Be driven by industry's needs</p>	<p>2.1 Changes demonstrate a clear link back to the drivers for skills identified in the Environmental Scan and the key elements of the Continuous Improvement Plan or demonstrate other evidence of industry needs</p>	<p>Yes</p>	<p>These qualifications and units have been revised to meet the requirements of the Standards for Training Packages. The units and qualifications presented here have been revised to take into account new industry requirements driven by industry and legislation, as detailed on page 2 of the Case for Endorsement.</p>
	<p>3. Respond to government broad policy initiatives</p>	<p>3.1 Evidence of clear linkage between broad policy initiatives and proposed changes in the Training Package</p>	<p>Yes</p>	<p>MAR v4.0 meets the policies that apply to the VET sector such as the Australian Qualifications Framework 2nd edition and the Standards for RTOs. MAR v4.0 also meets the requirements for regulated occupations under the Navigation Act 2012. MAR meets the requirements of the Standards for Training Packages.</p>

QUALITY PRINCIPLES	KEY FEATURES	EXAMPLES OF EVIDENCE	MET – YES OR NO	COMMENTS/ OTHER EVIDENCE DEMONSTRATED <i>Provide brief commentary on how the draft endorsed components meet the Quality Principles with specific reference to the evidence provided, including any evidence provided by the Equity and Editorial Reports</i>
<p><i>Enables ...</i> RECOGNITION <i>... of an individual's competence across industries and occupations</i></p>	<p>4. Recognise convergence and connectivity of skills</p>	<p>4.1 Incorporation of cross industry units and qualifications</p>	<p>Yes</p>	<p>MAR contains the most up to date units of competency from other Training Packages such as BSB and HLT.</p>
	<p>5. Support movement of skills within and across organisations and sectors</p>	<p>5.1 Packaging rules, qualifications framework, and pathways support movement within and across sectors</p>	<p>Yes</p>	<p>These qualifications are for people in nationally regulated maritime occupations. The maritime industry has a well-defined system of career pathways which are applied nationally. A careers pathway chart has been provided.</p>
		<p>5.2 Identification of Skill Sets that respond to client needs</p>	<p>Yes</p>	<p>There are 5 Skill Sets presented with these units and qualifications.</p>
	<p>6. Promote national and international portability</p>	<p>6.1 Other national and international standards for skills are considered</p>	<p>Yes</p>	<p>The developer has considered national and international standards for skills, where relevant. The Certificate III in Maritime Operations (Integrated Rating) and the Certificate IV in Maritime Operations (Chief Integrated Rating) are based on international standards e.g. the Standards of Training Certification and Watchkeeping for Seafarers.</p>
	<p>7. Reflect licensing and regulatory requirements</p>	<p>7.1 Solutions to incorporate licensing and regulatory requirements are brokered and there is clear evidence of support from licensing and industry regulatory bodies</p>	<p>Yes</p>	<p>The units of competency and qualifications in MAR have been specifically developed to meet regulatory requirements and support certification by the regulatory authority, the Australian Maritime Safety Authority.</p>
<p><i>Provides ...</i> FLEXIBILITY <i>... to meet individual enterprise and learner needs</i></p>	<p>8. Meet the diversity of individual and enterprise needs</p>	<p>8.1 Provide flexible qualifications that enable application in different contexts</p>	<p>Yes</p>	<p>MAR 4.0 is for qualifications which have been designed to cover the different contexts in which the work is done, for example land based and launch based lines work.</p>

QUALITY PRINCIPLES	KEY FEATURES	EXAMPLES OF EVIDENCE	MET – YES OR NO	COMMENTS/ OTHER EVIDENCE DEMONSTRATED <i>Provide brief commentary on how the draft endorsed components meet the Quality Principles with specific reference to the evidence provided, including any evidence provided by the Equity and Editorial Reports</i>
	9. Support equitable access and progression of learners	9.1 Provide multiple entry and exit points	Yes	There are no entry requirements and the units can be packaged in qualifications in the maritime and other industries.
		9.2 Pre -requisite units of competency are minimised	Yes	There are no pre-requisites in these units of competency.
	10. Support learner transition between education sectors	10.1 Provide pathways from entry and preparatory level as appropriate to facilitate movement between schools and VET, from entry level into work, and between VET and higher education qualifications	Yes	The units support direct entry pathways.
<i>Ensures ...</i> FUNCTIONALITY <i>... through ease of understanding, clever design and consistency with policy and publication requirements</i>	11. Support implementation across a range of settings	11.1 Advice is provided on implementation via a Companion Volume Implementation Guide ready for publication at the same time as the Training Package	Yes	The units can be implemented in a range of settings. A Companion Volume Implementation Guide which meets the specifications of the template has been developed and quality assured by TLISC.
	12. Support sound assessment practice	12.1 Units of competency and their associated assessment requirements are clearly written and have consistent breadth and depth	Yes	The units of competency and associated assessment requirements are clearly and consistently written and have been edited. The assessment requirements are written in a way that provides explicit information for assessors.

QUALITY PRINCIPLES	KEY FEATURES	EXAMPLES OF EVIDENCE	MET – YES OR NO	COMMENTS/ OTHER EVIDENCE DEMONSTRATED <i>Provide brief commentary on how the draft endorsed components meet the Quality Principles with specific reference to the evidence provided, including any evidence provided by the Equity and Editorial Reports</i>
	13 Not impose structural barriers to implementation	13.1 Compliance with the TGA/National Register requirements for publication	Yes	The units have been edited to ensure they meet the TGA requirements.
		13.2 Implementation advice is provided in a Companion Volume Implementation Guide that is ready for publication at the same time as the Training Package	Yes	The MAR Companion Volume Implementation Guide, which meets the template specification, has been developed and quality assured.

APPENDIX C: STEERING COMMITTEE AND STAKEHOLDERS

Steering Committee

Representative	Organisation
Andy Hogan	AMSA
Bob Venema	Farstad Shipping
Debra Beet	Australian Mines and Metals Association (AMMA)
Fiona Love	Transport for NSW
Glen Williams	MUA
Joe Galvin	IR employed by Teekay Shipping
Malcom Merrey	Spirit of Tasmania
Sarah Cerche	Maritime Industry Australia Ltd (MIAL)
Jason Gough (observer)	MUA
Mark Eldon-Roberts, Manager Shipping Qualifications (observer)	AMSA
Olga Bolezalova (observer)	Transport for NSW
Sam Bradley (observer)	Maritime Industry Australia Ltd (MIAL)

Focus Group: Linesperson - Newcastle

Representative	Organisation
Brett Melzner	Darwin Ports – Patricks
Dave Byron	Ausbarge Group
Geoff (Harold) Dunne	MUA
Glen Williams	MUA
Jeff McClenaughan	National Maritime Services Pty Ltd
Joe Galvin	IR employed by Teekay Shipping
Jason Gough	MUA
Keith Wilks	Port of Newcastle
Michael Jones	Svitzer
Phil Hawke	Port Kembla Port

Focus Group Integrated Rating - Melbourne

Representative	Organisation
Henning Christiansen	AIMPE
Jason Campbell	MUA

Jim Mallows	AIMPE
Jim Walsh	Independant
Jon Elma	MUA
Matt Leach	MUA
Sarah Cerché	Maritime Industry Australia Ltd (MIAL)
Stephen Hurd	Australian Maritime College

Focus Group Integrated Rating – Sydney

Representative	Organisation
Debbie Joyce	NSW TLISC
Dick Gandy	Australian Boating Manual
Chris Heeks	OTEN
Brian Remedios	OTEN
Guy Hartnett	DMS Maritime Pty Ltd
Aziz Adebayo	Hunter Institute of TAFE
Glen Hunter	Hunter Institute of TAFE
Mick Doleman	MUA
Glen Williams	MUA
Rod Pickette	MUA
Garry Keane	MUA
John McGartland	MUA
Mark Eldon-Roberts	AMSA
Jim Mallows	AIMPE
Henning Christiansen	AIMPE
Lee-Ani Hewson	DET NSW
Vera Kostadinovska	DET NSW

Focus Group Integrated Rating - Perth

Representative	Organisation
Glen Anderton	Programmed Marine
Michael Llewellyn	Strategic Industrial Relations (industry Board Member LTC)
Phil Swanston	MUA
Doug Heath	MUA
Robert Simm	MUA

Francesca Balm	Maersk Crewing Australia
Kylie Matten	DMS Maritime
Graham Samway	DMS Maritime
Jillian Dielesen	Logistics Training Council (LTC)

The following individuals and organisations were invited to provide comment on draft units and qualifications at various stages of development.

Representative	Organisation
Adam Buchholtz	Melbourne City Marina
Adam Hunter	Oceanic Shipping
Albert Umansky	Svitzer
Alden Main	Fremantle Maritime Simulation Centre
Alan Wallish	Passions of Paradise
Allan Cayzer	Marina YE
Allan Gray	Fremantle Ports
Andrew Dally	Inco Ships
Andrew Monks	Scarborough Marina
Andy Perry	SVITZER
Anthony Allen	Farstad Simulation Centre
Anthony Beckett	Australian Maritime College
Anthony Haworth	Captain Cook Cruises
Antony Krokowski	Aquamarine
Ashley Hart	Teekay Shipping
Bill Kelly	Go Marine
Brett McCallum	Pearl Producers Australia
Bob Waldron	Transport Industries Skills Council
Cassie Brockwell	Australasian Maritime Institute
Callum Fraser	Department of Transport and Main Roads
Cameron Bray	Bray Management
Chris Pointon	Mildura Paddlesteamers
Chris Butler	Marine Rescue NSW
Cliff Reily	P&O Maritime
Dan Pearson	Australian Maritime Officers Union
Duncan Powrie	Challenger Institute of Technology
Dave Wood	Huon Aquaculture
David Kearney	Maersk Supply Services
David Randal	Royal Prince Alfred Yacht Club
Eleze Drew	New England Institute
Emma Beltz	Tassal

Frances Batten	NSW Police
Gillian Stewart	Teekay Shipping
Gina Clancy	DMS Maritime
Glen Anderton	Programmed Total Marine Services
Greg Hall	AusBarge Marine, General Manager
Greg Metcalfe	CSL Australia
Helen Harvey	Hunter TAFE
Ian Ford	Bass Flinders Cruises
Ian Winestock	Marina Industries Association
James Garde	Seafood Training Tasmania
Jarrod Weaving	Australian Maritime College
Jim Caldwell	Offshore Marine Services Alliance
John McGrath	TT-Line Company Pty Ltd (Spirit of Tasmania)
Joseph Pereira	Shell Development (Australia)
Judy Adams	Svitzer
Kate Ryder	Australian International Marine Export Group
Kaylene Little	Tassal
Ken Brennan	Transport Industry Skills Centre (TISC)
Lee Seubert	Go Marine
Lisa Coyle	Boating Industry Association WA
Mark Gooderham	Farstad Simulation Centre
Marten Quirk	Offshore Marine Services Alliance
MaryAnne Edwards	Superyacht Australia
Melanie Soo	Seaswift
Melisa Poon	Port of Melbourne
Michael Nance	Coppercove Marina
Michael Roche	Navigators
Mike Beanland	Boating Industry Association of Western Australia
Mike Llewellyn	Total Marine
Martin Silk	Yachting Australia
Michaela Moss	AMSA
Nathan Stronach	Royal Freshwater Bay Yacht Club
Neal Waller	MMA Offshore Limited
Nicholas Read	Woodside Energy Limited
Nihar Rai	Challenger Institute of Technology
Peter Cole	ADF
Peter Mannion	Rio Tinto
Rhett Sullivan	Hold Fast Marine
Richard Morris	Australian Superyachts
Russell Behan	Marine Matters

Romana Wereszczak	TDT South Australia
Sharon Johnson	TDT Victoria
Simon Earle	METL GTO
Siobhan McCarville	Department of Transport and Main Roads
Steve Bertram	Teekay Shipping
Terry Lawler	TDT Northern Territory
Tony Webber	Svitzer Newcastle, Port Manager
Tony Wilks	SVITZER
Tyrone Palmer	Royal Australian Navy
Vern Beasley	"Murray River Paddlesteamers

The following organisations were also invited to provide comment on draft units and qualifications at various stages of development.

Organisation
Australian Federation of Disability Organisations
National Disability Services
Office of the Registrar of Indigenous Corporations (ORIC)

State Training Authorities

Representative	Organisation
Dianne Fong	Department of Business NT Government
Guy Valentine	Department of Education and Training and Employment QLD
Helen McAlpin	Education and Training, ACT Government
Ian Kenny	Department of Training and Workforce Development - VET Teaching and Learning
Lucinda Pita	Department of Training and Workforce Development - VET Teaching and Learning
Julie Hobbs	Department of Training and Workforce Development
Lee-Ani Hewson	NSW Office of Industry
Vera Kostadinovska	NSW Office of Industry
Lee Carter	Higher Education and Skills Group, Department of Education and Training
Andrea Summits	Higher Education and Skills Group, Department of Education and Training
Lesley French	Skills Tasmania, Department of State Growth
Lisa Punshon	Skills Tasmania, Department of State Growth
Margaret Thornton	Skills SA

