



Australian Government

Department of Education, Employment and Workplace Relations

**TDM40307 CERTIFICATE IV IN
TRANSPORT & DISTRIBUTION
(COASTAL MARITIME OPERATIONS -
MASTER CLASS 4)**

Release: 1

TDM40307 CERTIFICATE IV IN TRANSPORT DISTRIBUTION (COASTAL MARITIME OPERATIONS - MASTER CLASS 4)

Modification History

Not applicable.

Description

Rationale: A qualification aligned to the educational requirements for certification as a Master Class 4 as described in Part D of the National Standard for Commercial Vessels (NSCV).

Successful completion will require competency in units that relate to work defined as characteristics of AQF Certificate 4:

'Performance of a broad range of skilled applications including requirements to evaluate and analyse current practices, develop new criteria and procedures for performing current practices and provision of some leadership and guidance to others in the application and planning of the skills. Applications involve responsibility for, and limited organisation of, others'.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

Employability Skills Summary for TDM40307 Certificate IV in Transport & Distribution (Coastal Maritime Operations - Master Class 4)

The following table contains a summary of the employability skills as identified by the maritime industry for this qualification. This table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes described here are broad industry requirements that may vary depending on packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	• Use vessel's bridge communication systems and procedures • Listen to and interpret verbal information related to bridge watchkeeping functions and the operation and maintenance of the vessel • Read and interpret maritime regulations, charts and drawings, bridge equipment readings and displays, vessel's safety management system, vessel and equipment manufacturer's instructions, etc. • Speak clearly and directly on diverse matters related to vessel operation and maintenance • Write documents as part of operational duties, including reports on bridge operations, incident reports, entries in records, etc. • Negotiate issues with others in the course of vessel operations • Recognise and interpret non-verbal signs, signals and behaviour • Interpret and record observations and equipment readings and displays • Communicate with multilingual crew (where applicable) • Use vessel's communication equipment and radio equipment
Teamwork	• Provide leadership to the personnel on the vessel • Resolve any interpersonal conflicts that may arise on board the vessel • Motivate other crew members • Assist crew members to achieve and maintain competency • Avoid and prevent the harassment of others on the vessel • Collaborate with crew members in the course of vessel operations

Employability Skill	Industry/enterprise requirements for this qualification include:
	• Work with crew members of different ages, genders, race, religion, political persuasion, etc.

Employability Skill	Industry/enterprise requirements for this qualification include:
Problem solving	- Identify and solve or report problems arising in the course of operation of a vessel of less than 80 metres - Monitor and anticipate problems that may occur in the course of watchkeeping operations including hazards and risks and take appropriate action (e.g. avoidance of collision, avoidance of navigation hazards, avoidance of environmental pollution, etc.) - Manage hazards and risks in a range of operational situations, (e.g. collision avoidance, navigation hazards, heavy weather and seas, etc.) - Use mathematics to solve problems such as various calculations related to navigation, stability, position fixing and other duties and functions
Initiative and enterprise	- Modify activities dependent on differing work situations and contingencies such as changes in the weather and sea conditions, changes in operational performance of vessel's equipment and navigational emergencies - Take appropriate initiatives in a range of bridge situations such as those above - Respond appropriately to any changes in bridge equipment, standard operating procedures and the vessel's working environment
Planning and organising	- Follow and apply operational and emergency plans, systems and procedures for the vessel, including the vessel's safety management system and emergency procedures - Monitor systems and procedures for compliance with regulations and codes of practice - Implement bridge resource management strategy (where applicable) - Monitor and evaluate operational performance and compliance - Collect, manage and interpret information needed in the course of bridge operations - Organise and plan own management activities as a Master 4 or Skipper 2 on a vessel - Manage time and priorities in the course of operational duties
Self-management	Interpret and apply regulations, survey requirements, standard procedures and codes of practice as they apply to vessel operations, including collision avoidance, OH&S, environmental protection, security and SOLAS

Employability Skill	Industry/enterprise requirements for this qualification include:
	requirements • Establish and follow own work plans and schedules • Evaluate and monitor own work and management performance as a Master 4 or Skipper 2 on a vessel
Learning	• Contribute to learning and assessment activities on the vessel, including emergency drills, safety and security awareness training, and continuing professional development of crew members • Assist crew members to adapt to any changes in the vessel's systems, equipment, procedures and the vessel's operating environment (e.g. sea and weather conditions) • Assist in the instruction, coaching or mentoring of other crew members on the vessel • Contribute to the assessment of the competency of other crew members • Assist in the creation of a learning environment on board the vessel • Adapt own competency to any changes in the vessel type, its equipment and its operating environment • Update own knowledge and skills required for bridge watchkeeping activities
Technology	• Operate bridge equipment on a vessel of less than 80 metres in length including steering and navigation systems, radar and other electronic navigational aids, radio systems, safety management equipment, etc. • Follow and apply operational and maintenance systems for the vessel's hull and deck equipment and other facilities on the vessel • Follow and apply safety management system and OH&S procedures for use and maintenance of equipment and facilities • Use fire-fighting equipment on a vessel of less than 80 metres

Packaging Rules

Requirements for completion of the qualification:

A successful outcome of the **twenty** units of competency listed below.

Additional units from those listed below or relevant units from this or other Training Packages ^{Note 4} may be included in the qualification to satisfy specific additional needs beyond the minimum requirements. (They may also be achieved separately, either individually or in skill sets, leading to a National Statement of Attainment as described elsewhere in the Training Package)

MANDATORY REQUIREMENTS FIELD		UNIT	
A	Handling Cargo and Vessel Stability	TDMMA907B	Prepare a cargo plan for cargo loading and unloading operations within the limits of responsibility of a Master 4
		TDMMA1207B	Manage stress and dynamic factors affecting vessels stability
B	Equipment Checking and Maintenance	TDMMB607B	Monitor condition and seaworthiness of a coastal vessel up to 80 metres
		TDMMB4707A	Perform routine remedial, preventative and survey deck maintenance on a vessel less than 80 metres
C	Manoeuvre Vessel	TDMMC507B	Manoeuvre a vessel within the limits of responsibility of a Master 4
		TDMMC607B	Manage a propulsion unit using the appropriate engine systems and support services

E	Communication	TDMME507B	Transmit and receive information by marine radio or telephone
		TDMME1107A	Contribute to effective communications and teamwork on a coastal vessel Note 1
F	Operational Quality and Safety	TDMMF1007B	Provide elementary first aid
		TDMMF1107B	Survive at sea in the event of vessel abandonment
		TDMMF3207C	Apply domestic regulations and industry practices when operating a small coastal vessel
		TDMMF3307B	Execute watchkeeping arrangements and procedures on a small vessel
		TDMMF5407A	Observe safety and emergency procedures on a coastal vessel Note 2
		TDMMF5507A	Fight and extinguish fire on board a coastal vessel Note 3
H	Navigation	TDMMH607B	Plan and conduct a coastal passage and determine position within the limits of responsibility of a Master 4
		TDMMH707B	Apply weather information when navigating a small vessel within the limits of responsibility of a Master 4
		TDMMH2007A	Use radar and other wheelhouse equipment to maintain safe navigation

			within the limits of responsibility of a Mas 4
L	Human Resources	TDMML307B	Establish and maintain harmonious workplace environment
R	Carry Out Operations on Equipment and Systems	TDMMR5507A	Perform seamanship, rigging and lifting operations on board a small domestic vessel
U	Environment	TDMMU407B	Ensure compliance with pollution prevention measures

Note 1: TDMME1107A is a **new unit** incorporating the requirements of the previous two units TDMME101A Understand orders and be understood in relation to shipboard duties and TDMML201A Contribute to effective human relationships on board a vessel (as they apply to coastal vessel operations).

Note 2: TDMMF5407A is a **new unit** incorporating the requirements of the previous two units TDMMF701B Observe safe working practices and TDMMF801B Comply with emergency procedures (as they apply to coastal vessel operations).

Note 3: TDMMF5507A is a **new unit** incorporating the requirements of the previous two units TDMMF5302A Fight and extinguish fires on board a commercial vessel and TDMMF1201A Minimise the risk of fire and maintain a state of readiness to respond to emergency situations involving fire (as they apply to coastal vessel operations).

OPTIONAL ADDITIONAL UNITS TO MINIMUM REQUIREMENTS

The units listed below or relevant units from this or other Training Packages ^{Note 4} may be included in the qualification to satisfy specific additional needs beyond the minimum mandatory requirements.

E	Communication	TDMME807 C	Transmit and receive information by GMDSS subsystems and equipment on a vessel
F	Operational Quality and Safety	TDMMF1807 B	Apply medical first aid on board a vessel
			Operate survival craft and other lifesaving appliances
			Navigate a high speed vessel

O	Security	TDDMMO107 A	Follow maritime security procedures
Optional imported units from the Training and Assessment Training Package TAA04			Provide training through instruction and demonstration of work skills
			Contribute to assessment
Optional imported units from the Business Services Training Package BSB01			Implement continuous improvement
			Manage workplace information systems

Note 4: Where units of competency are included from another Training Package, Registered Training Organisations should check the National Training Information System (NTIS) or contact the Industry Skills Council responsible for the Training Package to check if the unit has any pre-requisite or co-requisite requirements.