



Australian Government

Department of Education, Employment and Workplace Relations

**TDM50507 DIPLOMA OF TRANSPORT
& DISTRIBUTION (COASTAL
MARITIME OPERATIONS - MASTER
CLASS 3)**

Release: 1

TDM50507 DIPLOMA OF TRANSPORT DISTRIBUTION(COASTAL MARITIME OPERATIONS - MASTER CLASS 3)

Modification History

Not applicable.

Description

Rationale: A qualification aligned to the educational requirements for certification as a Master Class 3 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 5:

'The self-directed application of knowledge and skills, with substantial depth in some areas where judgement is required in planning and selecting appropriate equipment, services and techniques for self and others. Applications involve participation in development of strategic initiatives, as well as personal responsibility and autonomy in performing complex technical operations or organising others. It may include participation in teams including teams concerned with planning and evaluation functions. Group or team coordination and management may be involved'.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

Employability Skills Summary for TDM50507 - Diploma of Transport & Distribution (Coastal Maritime Operations - Master Class 3)

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	<ul style="list-style-type: none"> • Establish and implement vessel's communication systems and procedures • Listen to and interpret complex verbal information related to the operation, maintenance and management of the vessel • Read and interpret maritime regulations, charts, drawings, weather forecasts and charts, vessel's safety management system, vessel and equipment manufacturer's instructions, etc. • Speak clearly and directly on diverse and complex matters related to vessel's operations, maintenance and management • Write documents including reports on vessel operations and maintenance, safety incident reports, entries in vessel's official log, 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 • Use bridge communication equipment and GMDSS radio equipment
Teamwork	<ul style="list-style-type: none"> • Provide leadership to the crew of the vessel • Manage the resolution of any interpersonal conflicts that may arise on board the vessel • Motivate crew members • Assist crew members to achieve and maintain competency • Manage the avoidance and prevention of harassment of others on the vessel • Collaborate with crew members in the course of vessel

Employability Skill	Industry/enterprise requirements for this qualification include:
	operations <ul style="list-style-type: none">• Manage crew members of different ages, genders, race, religion, political persuasion, etc.

Employability Skill	Industry/enterprise requirements for this qualification include:
Problem solving	<ul style="list-style-type: none"> • Identify and solve or report complex problems arising in the course of vessel operations • Monitor and anticipate problems that may occur in the course of vessel operations including hazards and risks and take appropriate action (e.g. collision avoidance strategies, avoidance of navigational hazards, etc.) • Manage hazards and risks in complex and diverse situations (e.g. navigation hazards, crew working in confined spaces, navigating heavy weather and seas, etc.) • Use advanced diagnostic and analysis techniques required when managing maintenance program for vessel's propulsion, electrical and auxiliary systems in conjunction with the chief engineer and other crew members on the vessel • Use mathematics to solve complex problems such as vessel's stability and loading calculations, fixing of vessel's position, and planning and plotting a vessel's course
Initiative and enterprise	<ul style="list-style-type: none"> • Modify activities dependent on differing work situations and contingencies such as changes in the weather and sea conditions, different loading conditions and navigation in different waters • Take appropriate initiatives in complex and diverse situations such as those above • Manage responses to any changes in vessel's equipment, standard operating procedures and the vessel's working environment
Planning and organising	<ul style="list-style-type: none"> • Establish operational and emergency plans, systems and procedures for the vessel, including the vessel's safety management system and emergency procedures • Establish and implement systems and procedures for maintaining compliance with regulations and codes of practice • Monitor and evaluate operational performance and compliance • Collect, manage and interpret information needed to plan and organise operations • Organise and plan own management activities as master of the vessel • Manage time and priorities in the course of management activities on the vessel
Self-management	<ul style="list-style-type: none"> • Interpret and apply regulations, survey requirements,

Employability Skill	Industry/enterprise requirements for this qualification include:
	<p>standard procedures and codes of practice as they apply to the vessel, including OH&S, environmental protection, security and SOLAS requirements</p> <ul style="list-style-type: none"> • Establish and follow own work plans and schedules • Evaluate and monitor own work and management performance as master of the vessel
Learning	<ul style="list-style-type: none"> • Plan and organise learning and assessment activities on the vessel, including emergency drills, safety and security awareness training, and continuing professional development of crew members • Manage adaptation of crew members to any changes in the vessel's systems, equipment, procedures and the vessel's operating environment (e.g. sea and weather conditions) • Instruct, coach or mentor other crew members on the vessel • Contribute to the assessment of the competency of other crew members • Create 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 management activities
Technology	<ul style="list-style-type: none"> • Operate complex equipment and systems including vessel's propulsion and auxiliary systems, GMDSS radio systems, radar and other bridge and electronic navigation systems, etc. • Establish and implement operational and maintenance systems for the vessel's hull, propulsion and auxiliary systems, safety and deck equipment and other facilities on the vessel • Establish safety management system and OH&S procedures for use and maintenance of equipment and facilities • Manage the preventative and remedial maintenance of vessel's hull, plant, equipment and tools

Packaging Rules

Requirements for completion of the qualification:

A successful outcome of the **twenty-seven** 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	TDMMA707B	Monitor the loading, stowage, securing and unloading of cargo
		TDMMA807B	Monitor the care of cargo during a voyage
		TDMMA1707A	Determine the stability and trim of the vessel
B	Equipment Checking and Maintenance	TDMMB407B	Maintain seaworthiness of vessel
		TDMMB4807A	Manage the operations and maintenance on vessels limited by tonnage or near coastal operations
C	Manoeuvre Vessel	TDMMC407B	Manoeuvre the vessel and operate small power plants within the limits of responsibility of a Master 3
E	Communication	TDMME207B	Communicate using standard marine vocabulary
		TDMME307B	Transmit and receive information by visual signalling

		TDMME507B	Transmit and receive information by marine radio or telephone
		TDMME807C	Transmit and receive information by GMDSS subsystems and equipment
		TDMME1107A	Contribute to effective communications and teamwork on a coastal vessel ^{Note 1}
F	Operational Quality and Safety	TDMMF607B	Organise and manage the provision of medical care on board a vessel
		TDMMF1007B	Provide elementary first aid
		TDMMF1107B	Survive at sea in the event of vessel abandonment
		TDMMF1807B	Apply medical first aid on board a vessel
		TDMMF1907B	Operate survival craft and other lifesaving appliances
F	Operational Quality and Safety (continued)	TDMMF2107B	Control safe access to and on vessel
		TDMMF2907B	Maintain a safe navigational watch on a coastal voyage
		TDMMF5407A	Observe safety and emergency procedures on a coastal vessel ^{Note 2}
		TDMMF5507A	Fight and extinguish fires on board a coastal vessel ^{Note 3}

H	Navigation	TDMMH507B	Use radar to maintain safety of navigation
		TDMMH1407A	Apply weather information when navigating a vessel within the limits of responsibility of a Master 3
		TDMMH1607A	Determine position of the vessel
		TDMMH1907A	Plan a passage
L	Human Resources	TDMML507A	Manage business and administration on vessels limited by tonnage or near coastal operations
U	Environment	TDMMU107B	Monitor compliance with legislative requirements and measures to ensure protection of the 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.

F	Operational Quality and Safety	TDMMF307B	Manage business and legal requirements on a vessel
			Maintain a safe navigational watch
			Observe personal safety and social responsibilities ^{Note 5}
			Work safely in enclosed spaces on a vessel
			Manage marine firefighting and prevention activities on board a vessel
			Prevent, control and fight fires on board an ocean-going vessel ^{Note 6}
H	Navigation	TDMMH1007 B	Navigate a high speed vessel
			Apply command navigation procedures on vessels limited by tonnage or near coastal operations

O	Security	TDMMO107 A	Follow maritime security procedures
U	Environment	TDMMU107 B	Monitor compliance with legislative requirements and measures to ensure protection of the environment

Optional imported units from the Training and Assessment Training Package TAA04	TAADEL30 1A	Provide training through instruction and demonstration of work skills
	Contribute to assessment	
Optional imported units from the Business Services Training Package BSB01	BSBFLM409 B	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.

Note 5: TDMMF5607A is a **new ocean-going unit** incorporating the requirements of the previous four units TDMMF701B Observe safe working practices, TDMMF801B Comply with emergency procedures, TDMML201A Contribute to effective human relationships on board a vessel and TDMME101A Understand orders and be understood in relation to shipboard duties.

Note 6: TDMMF6207A is a **new ocean-going unit** incorporating the requirements of the previous two units TDMMF901A Fight and extinguish fires and TDMMF1201A Minimise the risk of fire and maintain a state of readiness to respond to emergency situations involving fire.