



Australian Government

Department of Education, Employment and Workplace Relations

**TDM50307 DIPLOMA OF TRANSPORT
& DISTRIBUTION (MARITIME
OPERATIONS - DECK
WATCHKEEPER)**

Release: 1

TDM50307 DIPLOMA OF TRANSPORT DISTRIBUTION (MARITIME OPERATIONS - DECK WATCHKEEPER)

Modification History

Not applicable.

Description

Rationale: A qualification aligned to the educational requirements for certification as a Watchkeeper (Deck) as described in Marine Orders Part 3: Seagoing Qualifications (Version 6) under the Navigation Act 1912.

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 TDM50307 - Diploma of Transport & Distribution (Maritime Operations - Deck Watchkeeper)

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"> • 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 bridge watchkeeping functions and vessel operation and maintenance • Write documents as part of bridge watchkeeping duties, including reports on bridge operations, incident reports, entries in records, etc. • Negotiate issues with others in the course of bridge operations • Recognise and interpret non-verbal signs, signals and behaviour • Interpret and record observations and equipment readings and displays • Communicate with multilingual crew • Use bridge communication equipment and radio equipment
Teamwork	<ul style="list-style-type: none"> • 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 • Work with crew members of different ages, genders, race,

Employability Skill	Industry/enterprise requirements for this qualification include:
	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 problems arising in the course of bridge watchkeeping operations • 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 bridge watchkeeping situations, (e.g. collision avoidance, navigation hazards, heavy weather and seas, etc.) • Use mathematics to solve problems such as various calculations related to navigation, position fixing and other watchkeeping duties and functions
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, changes in operational performance of bridge 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	<ul style="list-style-type: none"> • 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 • 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 Deck Watchkeeper on a vessel • Manage time and priorities in the course of bridge watchkeeping activities
Self-management	<ul style="list-style-type: none"> • Interpret and apply regulations, survey requirements, standard procedures and codes of practice as they apply to watchkeeping operations, including collision avoidance, OH&S, environmental protection, security and SOLAS requirements • Establish and follow own work plans and schedules

Employability Skill	Industry/enterprise requirements for this qualification include:
	<ul style="list-style-type: none"> • Evaluate and monitor own work and management performance as watchkeeper (deck) on the vessel
Learning	<ul style="list-style-type: none"> • 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 bridge equipment and its operating environment • Update own knowledge and skills required for bridge watchkeeping activities
Technology	<ul style="list-style-type: none"> • Operate bridge equipment 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, propulsion, electrical and auxiliary systems, safety 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 • Carry out the preventative and remedial maintenance procedures for the vessel's hull, propulsion plant, electrical and auxiliary systems, other engine room equipment and tools

Packaging Rules

Requirements for completion of the qualification:

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

Additional units from those listed below or relevant units from this or other Training Packages ^{Note 3} 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)

Note that the educational requirements for a Master (Less than 500 GT) as described in Marine Orders Part 3: Seagoing Qualifications (Version 6) are for completion of the Diploma of Transport&Distribution (Maritime Operations - Deck Watchkeeper) plus the completion of four additional units as detailed in the 'Optional Additional units' section below.

MANDATORY REQUIREMENTS FIELD		UNIT	
A	Handling Cargo and Vessel Stability	TDMMA70 7B	Monitor the loading, stowage, security and unloading of cargo
		TDMMA80 7B	Monitor the care of cargo during a voyage
		TDMMA17 07A	Determine the stability and trim of the vessel
B	Equipment Checking and Maintenance	TDMMB46 07A	Apply information of vessel structure to maintenance and seaworthiness
C	Manoeuvre Vessel	TDMMC30 7B	Manoeuvre and handle the vessel in normal conditions
E	Communication	TDMME20 7B	Communicate using standard marine vocabulary
		TDMME30 7B	Transmit and receive information by visual signalling
		TDMME50 7B	Transmit and receive information by marine radio or telephone
		TDMME80 7C	Transmit and receive information by GMDSS subsystems and equipment

F	Operational Quality and Safety	TDMMF10 07B	Provide elementary first aid
		TDMMF11 07B	Survive at sea in the event of vessel abandonment
		TDMMF18 07B	Apply medical first aid on board a vessel
		TDMMF19 07B	Operate survival craft and other lifesaving appliances
F	Operational Quality and Safety (continued)	TDMMF21 07B	Control safe access to and on vessel
		TDMMF30 07B	Maintain a safe navigational watch
		TDMMF56 07A	Observe personal safety and social responsibilities ^{Note 1}
		TDMMF58 07A	Adapt to basic industry and regulatory requirements for tanker operations
		TDMMF59 07A	Work safely in enclosed spaces on a vessel
		TDMMF61 07A	Manage marine firefighting and prevention activities on board a vessel
		TDMMF62 07A	Prevent, control and fight fires on board an ocean-going vessel ^{Note 2}
H	Navigation	TDMMH50 7B	Use radar and other bridge equipment to maintain safe navigation
		TDMMH15 07A	Measure and observe weather conditions and interpret and apply to watchkeeping
		TDMMH16 07A	Determine position of the vessel
		TDMMH19 07A	Plan a passage

L	Human Resources	TDMML307B	Establish and maintain a harmonious workplace environment
U	Environment	TDMMU407B	Ensure compliance with pollution prevention measures

Note 1: This is a **new 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 2: This is a **new 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

OPTIONAL ADDITIONAL UNITS TO MINIMUM REQUIREMENTS

The units listed below or relevant units from this or other Training Packages Note 3 may be included in the qualification to satisfy specific additional needs beyond the minimum mandatory requirements (they may also be achieved separately, either individually or in skills sets, leading to a Statement of Attainment as described elsewhere in the Training Package).

Skills set of additional units to prepare for AMSA certification as Master (< 500GT)			
B	Equipment Checking and Maintenance	TDMMB4807A	Manage the operations and maintenance on vessels limited by tonnage or near coastal operations
F	Operational Quality and Safety	TDMMF607B	Organise and manage the provision of medical care on board a vessel
H	Navigation	TDMMH1707B	Apply command navigation procedures on vessels (limited by tonnage or near coastal operations)
L	Human Resources	TDMML507A	Manage business and administration on vessels limited by tonnage or near coastal operations

Optional imported units from Business Services Training Package BSB01	BSBFLM509B	Facilitate continuous improvement
	BSBFLM51	Ensure team effectiveness

	2A	
Optional imported units from the Training and Assessment Training Package TAA04	TAADEL30 1A	Provide training through instruction and demonstration of work skills
	TAAASS301 A	Contribute to assessment

Note 3: 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