



**Attachment 1 - TDM unit profiles required for NSCV- Part D marine licences**

**Deck certificates**

<i>Coxswain</i>		<i>Master 5/Skipper 3</i>	<i>Mate 4/ Master 4/ Skipper 2</i>	<i>Master 3/Skipper1</i>	
Radio Prof	<b>TDM ME5 01A or SFISHIP 209B</b> (see note 6)	<b>TDM ME5 01A or SFISHIP 209B</b> (see note 6)	TDM ME5 01A* (see note 6)	TDM ME5 01A* (see note 6)	
Senior First Aid	TDM MF10 01A	TDM MF10 01A	TDM MF10 01A*	TDM MF10 01A*	
Elements of Shipboard Safety	TDM MF11 01A	TDM MF11 01A	TDM MF11 01A*	TDM MF11 01A*	
	TDM MF12 01A	TDM MF12 01A	TDM MF12 01A*	TDM MF12 01A*	
	TDM MF7 01B	TDM MF7 01B	TDM MF7 01B*	TDM MF7 01B*	
	TDM MF8 01B	TDM MF8 01B	TDM MF8 01B*	TDM MF8 01B*	
	TDM MF53 02A	TDM MF53 02A	TDM MF53 02A*	TDM MF53 02A*	
Alternate Elements of Shipboard Safety	<b>SFICORE 106A &amp; SFISHIP 212B</b>	<b>SFICORE 106A &amp; SFISHIP 212B</b>			
<b>Part D - Competency units required in addition to above</b>					
TDM MB6 01A		TDM MA11 01A	TDM MA9 01A	Shipmasters Medical	TDM MF6 01A*
TDM MC7 01B		TDM MB6 01A	TDM MA12 01A		TDM MF18 01A*
TDM MC9 01B		TDM MB7 01A	TDM MB6 01A	TDM MA7 01A	
TDM ME1 01A		TDM MB1 01B	TDM MC5 01A	TDM MA8 01A	
TDM MF32 01B		TDM MC8 01A	TDM MC6 01A	TDM MB4 01A	
TDM MH12 02A		TDM MC10 01B	TDM ME1 01A	TDM MB5 01A	
Coxswain Engineering	TDM MR30 01A	TDM MC7 01 B	TDM MF2 01A	TDM MC3 01A	
	TDM MR31 01A	TDM ME1 01A	TDM MF32 01B	TDM MC4 01A	
	TDM MR32 01A	TDM MF2 01A	TDM MF48 02A	TDM ME1 01A	
TDM MR54 02A		TDM MF32 01B	TDM MH5 01A	TDM ME2 01A	
TDM MU5 02A		TDM MF47 02A	TDM MH6 01A	TDM ME3 01A	
		TDM MH13 02A	TDM MH7 01A	TDM MF2 01A	
		TDM MH8 01A	TDM ML2 01A *	TDM MF3 01A	
		TDM MH11 02A	TDM ML3 01A	BA	TDM MF45 02A*
		TDM MR1 01A	TDM MR55 02A	ADF	TDM MF13 01A
		TDM MR2 01A	TDM MU4 01A		TDM MF20 01A*
		TDM MR3 01A		TDM MF17 01A	
		TDM MR54 02A		PSC	TDM MF19 01A*
		TDM MR55 02A		TDM MF21 01A	
		TDM MU5 02A		TDM MF29 01A	
				TDM MF30 01A*	
				TDM MH4 01A	
				TDM MH5 01A	
				TDM MH6 01A	
				TDM ML2 01A*	
				TDM MU4 01A	



**Attachment 1 - TDM unit profiles required for NSCV- Part D marine licences  
Deck certificates**

<b>UNITS FOR STCW95 ENDORSEMENTS (NEAR COASTAL)</b>				
<i>Coxswain</i>	<i>Master 5/Skipper 3</i>		<i>Mate 4/ Master 4/ Skipper 2</i>	<i>Master 3/Skipper1</i>
<b>Cannot be STCW95 Endorsed</b>	GMDSS	<b>TDM ME8 01B*</b>	<b>TDM ME8 01B*</b>	<b>Contact AMSA (see note 3)</b>
	BA	<b>TDM MF45 02A</b>	<b>TDM MF45 02A*</b>	
	MED	<b>TDM MF18 01A</b>	<b>TDM MF18 01A*</b>	
	PSC	<b>TDM MF19 01A</b>	<b>TDM MF19 01A*</b>	
	PSSR	<b>TDM MU1 01A</b>	<b>TDM MU1 01A*</b>	
		<b>TDM ML2 01A</b>		
	ADF		<b>TDM MF13 01A*</b> <b>TDM MF20 01A*</b>	
	ARPA	<b>TDM MH3 01A</b>		
	CARG	<b>TDM MA9 01A</b>		
<b>UNITS FOR STCW95 ENDORSEMENTS (OTHER THAN NEAR COASTAL)</b>				
<b>Cannot be STCW95 Endorsed</b>	<b>Cannot be STCW95 Endorsed</b>		<b>Contact AMSA (see note 3)</b>	<b>Contact AMSA (see note 3)</b>
<p><b>Notes:</b></p> <ol style="list-style-type: none"> <li>Units showing * indicate that to obtain an STCW95 endorsement, AMSA will require these units, or the equivalent short course, to be completed at an AMSA approved training provider.</li> <li>As of 13/08/03 AMSA has not accepted these units if provided from a state approved training provider.</li> <li>STCW95 endorsement requirements for Master Class 3 &amp; Master Class 4 (Other than near coastal) must meet AMSA requirements that are only provided by AMSA approved training providers.</li> <li>Candidates should confirm AMSA requirements (including additional training to those detailed above) and who are AMSA approved training providers before committing to any training course to obtain an STCW95 Endorsement of a state issued licence.</li> <li>Units in blue indicate these are for Elements of Shipboard Safety (ESS) which are taught at the education level of at least Certificate I.</li> <li>For the issue of a certificate of competency the applicant is required to hold a radio licence of the appropriate level.</li> <li>Units highlighted in red are alternate Seafood Industry Training Package (SFI) units of competency added to profiles. MSQ currently has no approved training providers delivering and assessing the SFI Training Package.</li> <li>MSQ Coxswain level is AQF level III (Coxswains + options). However, MSQ will accept Coxswain units completed in Level II &amp; III.</li> </ol> <p><b>Codes used for STCW95 units:</b>            GMDSS: Global Maritime Safety System            BA: Breathing Apparatus            MED: Medical First Aid            PSC: Proficiency in Survival Craft &amp; Rescue Boats other than Fast Rescue Boats            PSSR: Personal Safety &amp; Social Responsibilities            ADF: Advanced Fire Fighting            ARPA: Automatic Radar Plotting Apparatus            CARG: Cargo Operations</p>				



**Attachment 1 - TDM unit profiles required for NSCV- Part D marine licences**

**Engineering certificates**

<i>Marine Engine Driver Grade 3</i>		<i>Marine Engine Driver Grade 2</i>	<i>Marine Engine Driver Grade 1</i>	<i>Engineer Class 3</i>
Senior First Aid	TDM MF10 01A	TDM MF10 01A	TDM MF10 01A	TDM MF10 01A
Elements of Shipboard Safety	TDM MF11 01A	TDM MF11 01A	TDM MF11 01A	TDM MF11 01A
	TDM MF12 01A	TDM MF12 01A	TDM MF12 01A	TDM MF12 01A
	TDM MF7 01B	TDM MF7 01B	TDM MF7 01B	TDM MF7 01B
	TDM MF8 01B	TDM MF8 01B	TDM MF8 01B	TDM MF8 01B
	TDM MF53 02A	TDM MF53 02A	TDM MF53 02A	TDM MF53 02A
Alternate Elements of Shipboard	SFICORE 106A & SFISHIP 212B	SFICORE 106A & SFISHIP 212B		
<b>Part D - Competency units required in addition to above</b>				
	TDM ML2 01A	TDM ML2 01A	TDM ML2 01A	TDM ML2 01A
	TDM ME1 01A	TDM ME1 01A	TDM ME1 01A	TDM ME1 01A
	TDM MB19 01A	TDM MB19 01A		
	TDM MB36 01A			
	TDM MF39 01A			
	TDM MR18 01A			
	TDM MR19 01A	TDM MR19 01A	TDM MR19 01A	TDM MR19 01A
	TDM MR54 02A	TDM MR54 02A	TDM MR54 02A	TDM MR54 02A
	TDM MU5 02A	TDM MU5 02A	TDM MU5 02A	MU5 is not necessary as MU1 is included
	MEM 18.1A	MEM 18.1A	MEM 18.1A	MEM 18.1A
	MEM 18.2A	MEM 18.2A	MEM 18.2A	MEM 18.2A
Coxswain Engineering	TDM MR30 01A	TDM MB29 01A		
	TDM MR31 01A	TDM MF27 01A	TDM MF27 01A	
	TDM MR32 01A	TDM MF40 01A	TDM MB31 01A	
		TDM MR27 01A	TDM MB35 01A	
		TDM MR28 01A	TDM MF4 01A	TDM MF4 01A
		TDM MR29 01A	TDM MF41 01A	TDM MF41 01A
			TDM MR2 01A (see note 7)	TDM MR2 01A (see note 7)
			TDM MR24 01A	
			TDM MR25 01A	
			TDM MR26 01A	
			MEM 5.7A	MEM 5.7A
			MEM 5.12A	MEM 5.12A



**Attachment 1 - TDM unit profiles required for NSCV- Part D marine licences**

**Engineering certificates**

<i>Marine Engine Driver Grade 3</i>	<i>Marine Engine Driver Grade 2</i>	<i>Marine Engine Driver Grade 1</i>	<i>Engineer Class 3</i>	
			TDM MB37 01A	
			TDM MB38 01A	
			PSC	TDM MF19 01A
			Advanced Fire fighting	TDM MF13 01A *
				TDM MF20 01A
			BA	TDM MF45 02A (see note 8)
			TDM MF38 01A	
			TDM MF5 01B	
			TDM MR21 01A	
			TDM MR23 01A	
			TDM MU1 01A	
			MEM 5.4A	
			MEM 5.6A	
			MEM 7.5A	
			<i>For Steam Endorsement include TDM MR22 01A</i>	
<b>UNITS FOR STCW95 ENDORSEMENTS</b>				
<b>Cannot be STCW95 Endorsed</b>	<b>Cannot be STCW95 Endorsed</b>	STAB	TDM MA11 01A	TDM MA12 01A
		IMO	TDM MF3 01A	TDM MF3 01A
		PSSR	TDM ML2 01A	TDM ML2 01A
			TDM MU1 01A	TDM MU1 01A
		ADF	TDM MF13 01A	
			TDM ME1 01A	TDM ME1 01A
			TDM MF9 01A	TDM MF9 01A
			TDM MF7 01A	TDM MF7 01A
		PSC	TDM MF19 01A	TDM MF19 01A
<i>See notes over page.</i>				



## Attachment 1 - TDM unit profiles required for NSCV- Part D marine licences

### Notes:

1. Units in **blue** indicate these are for Elements of Shipboard Safety (ESS) which are taught at the education level of at least Certificate I.
2. The unit showing \* indicates that to obtain an STCW95 endorsement, AMSA will require this unit, or the equivalent short course, to be completed at an AMSA approved training provider.
3. As of 13/08/03 AMSA has not accepted this unit if provided from a state approved training provider.
4. Candidates should confirm AMSA requirements (including additional training to those detailed above) and who are AMSA approved training providers before committing to any training course to obtain an STCW95 Endorsement of a state issued licence.
5. MSQ Coxswain level is AQF level III (Coxswains + options). However, MSQ will accept Coxswain units completed in level II & III.
6. Units highlighted in **red** are alternate Seafood Industry Training Package (SFI) units of competency added to profiles. MSQ currently has no approved training providers delivering and assessing the SFI Training Package.
7. Unit TDM MR2 01A is contained within Certificate III in Transport & Distribution (Maritime Operations).
8. Unit TDM MF45 02A is contained within Certificates II, II, IV and Diploma of Transport & Distribution (Maritime Operations).
9. Units highlighted in **orange** are contained within Certificate I, II, III, IV and Diploma of Transport & Distribution (Maritime Operations).
10. The units highlighted in **purple** indicate that these are not required to be completed if the candidate is the holder of a trade qualification incorporating these MEM units.

### Codes used for STCW95 units:

BA:	Breathing Apparatus
PSC:	Proficiency in Survival Craft & Rescue Boats other than Fast Rescue Boats
PSSR:	Personal Safety & Social responsibilities
ADF:	Advanced Fire Fighting
STAB:	Stability
IMO:	IMO Conventions

### Colour shading legend:

1. Candidates who hold a Certificate of Competency as Marine Engine Driver Grade 3 from MSQ or other State/Territory Marine Authority are not required to complete the units shaded in **yellow**.
2. Candidates who hold a Certificate of Competency as Marine Engine Driver Grade 2 from MSQ or other State/Territory Marine Authority are not required to complete the units shaded in **blue**.
3. Candidates who hold a Certificate of Competency as Marine Engine Driver Grade 1 from MSQ or other State/Territory Marine Authority are not required to complete the units shaded in **green**.
4. Candidates who do not hold a lower level engineering certificate of competency must produce evidence (Statements of Attainment/Results of Assessment) of completing all of the units of competency listed for the particular licence profile level which have all been assessed at the higher AQF qualification level.

## Attachment 2 - TDM unit of competency titles required for NSCV- Part D marine licences

### Deck certificates

<b>Basic Units:</b> required for all deck classes in addition to units for the specific marine certificate class.		
<i>Unit Number</i>	<i>Unit Title</i>	
TDM ME5 01A or SFISHIP 209B	Transmit and receive information by marine radio telephone Operate marine communications equipment	
TDM MF10 01A	Provide First Aid	
Elements of Shipboard Safety	TDM MF7 01B	Observe safe working practises and procedures on board a vessel
	TDM MF8 01B	Comply with emergency procedures on board a vessel
	TDM MF11 01A	Survival at sea in the event of vessel abandonment
	TDM MF12 01A	Minimise the risk of fire and maintain a state of readiness to respond to emergency situations involving fire
	TDM MF53 02A	Fight and extinguish fires on board a small vessel
Alternate Elements of Shipboard Safety	SFICORE 106A & SFISHIP 212B	Meet workplace OHS requirements Take emergency action on board a vessel

## Attachment 2 - TDM unit of competency titles required for NSCV- Part D marine licences

### Deck certificates

Units required for the licence class of **COXSWAIN** in addition to the basic units.

<i>Unit Number</i>		<i>Unit Title</i>
TDM MB6 01A		Monitor condition and seaworthiness of a small vessel
TDM MC7 01B		Apply seamanship skills and techniques when operating a small domestic vessel
TDM MC9 01B		Manoeuvre a domestic vessel of less than 12 metres in length operating within inshore limits
TDM ME1 01A		Understand orders and be understood in relation to shipboard duties
TDM MF32 01B		Apply domestic regulations when operating a small vessel
TDM MH12 02A		Plan and navigate a short voyage within inshore limits
Coxswain Engineering	TDM MR30 01A	Operate and carry out basic service checks on small vessel marine propulsion systems
	TDM MR31 01A	Operate and carry out basic servicing on auxiliary systems
	TDM MR32 01A	Operate and carry out basic routine servicing of marine extra low and low voltage electrical systems
TDM MR54 02A		Carry out refuelling and fuel transfer operations
TDM MU5 02A		Ensure compliance with environmental considerations in a small domestic vessel

## Attachment 2 - TDM unit of competency titles required for NSCV- Part D marine licences

### Deck certificates

Units required for the licence class of <b>Master Class 5/ Skipper Grade 3</b> in addition to the basic units.	
<i>Unit Number</i>	<i>Unit Title</i>
TDM MA11 01A	Maintain the stability of a vessel using basic stability information
TDM MB1 01B	Perform routine remedial, preventative and survey deck maintenance on a vessel
TDM MB6 01A	Monitor condition and seaworthiness of a small vessel
TDM MB7 01A	Slip vessel and maintain hull
TDM MC7 01B	Apply seamanship skills and techniques when operating a small vessel
TDM MC8 01A	Manoeuvre a vessel less than 24 metres in length within inshore limits
TDM MC10 01B	Steer a domestic vessel under the direction of the master or officer in charge of the watch
TDM ME1 01A	Understand orders and be understood in relation to shipboard duties
TDM MF2 01A	Respond to navigational emergencies
TDM MF32 01B	Apply domestic regulations when operating a small vessel
TDM MF47 02A	Contribute to maintaining a safe watch on a domestic vessel
TDM MH8 01A	Plan and navigate an inshore passage
TDM MH11 02A	Use radar to maintain safe navigation
TDM MH13 02A	Apply weather information when navigating a small domestic vessel
TDM MR1 01A	Operate and maintain steering gear arrangements
TDM MR2 01A	Use and maintain deck equipment and machinery
TDM MR3 01A	Operate fuel, fresh and ballast water, bilge and fire pumping systems installed in a vessel
TDM MR54 02A	Carry out refuelling and fuel transfer operations
TDM MR55 02A	Perform rigging and lifting operations onboard a small domestic vessel
TDM MU5 02A	Ensure compliance with environmental considerations in a small domestic vessel

## Attachment 2 - TDM unit of competency titles required for NSCV- Part D marine licences

### Deck certificates

Units required for the licence class of <b><u>Master Class 4/ Skipper Grade 2</u></b> in addition to the basic units.	
<i>Unit Number</i>	<i>Unit Title</i>
TDM MA9 01A	Prepare a cargo plan for cargo loading and unloading operations
TDM MA12 01A	Manage stress and dynamic factors affecting a small vessel's stability
TDM MB6 01A	Monitor condition and seaworthiness of a small vessel
TDM MC5 01A	Manoeuvre a vessel less than 80 meters in length in any prevailing conditions
TDM MC6 01A	Manage a propulsion unit using the appropriate engine systems and support services
TDM ME1 01A	Understand orders and be understood in relation to shipboard duties
TDM MF2 01A	Respond to navigational emergencies
TDM MF32 01B	Apply domestic regulations when operating a small vessel
TDM MF48 02A	Execute watchkeeping arrangements and procedures on a domestic vessel
TDM MH5 01A	Use radar and other electronic aids to maintain safe navigation
TDM MH6 01A	Plan and conduct a coastal passage and determine position
TDM MH7 01A	Apply weather information when navigating a small vessel
TDM ML2 01A	Contribute to effective human relationships on board a vessel
TDM ML3 01A	Establish and maintain a harmonious workplace environment
TDM MR55 02A	Perform rigging and lifting operations on board a small domestic vessel
TDM MU4 01A	Ensure compliance with pollution prevention measures

## Attachment 2 - TDM unit of competency titles required for NSCV- Part D marine licences

### Deck certificates

Units required for the licence class of <b>Master Class 3 /Skipper Grade 1</b> in addition to the basic units.		
<i>Unit Number</i>	<i>Unit Title</i>	
TDM MA7 01A	Monitor the loading, stowage, security and unloading of cargo	
TDM MA8 01A	Monitor the care of cargo during a voyage	
TDM MB4 01A	Maintain seaworthiness of vessel	
TDM MB5 01A	Mange the maintenance of the vessel	
TDM MC3 01A	Manoeuvre and handle the vessel in normal conditions	
TDM MC4 01A	Manoeuvre the vessel and operate small power plants	
TDM ME1 01A	Understand orders and be understood in relation to shipboard duties	
TDM ME2 01A	Communicate using standard marine vocabulary	
TDM ME3 01A	Transmit and receive information by visual signalling	
TDM MF2 01A	Respond to navigational emergencies	
TDM MF3 01A	Monitor compliance with legislative requirements and measures to ensure safety of life at sea	
TDM MF17 01A	Respond to distress signals at sea	
TDM MF21 01A	Control safe access to and on vessels	
TDM MF29 01A	Maintain a safe navigational watch on a coastal voyage	
TDM MH4 01A	Plan and conduct a passage and determine position	
TDM MH5 01A	Use radar and other electronic aids to maintain safe navigation	
TDM MH6 01A	Plan and conduct a coastal passage and determine position	
TDM MU4 01A	Ensure compliance with pollution prevention measures	
<i>Additional units required for Master Class 3 in accordance with NMSC profiles/Part D</i>		
Shipmaster Medical	TDM MF6 01A	Organise and manage the provision of medical care on board vessel
	TDM MF18 01A	Apply medical first aid on board a vessel
ADF	TDM MF13 01A	Manage marine fire fighting and prevention activities
	TDM MF20 01A	Prevent, control and fight fires on board a vessel
BA	TDM MF45 02A	Operate breathing apparatus on board a vessel
PSC	TDM MF19 01A	Operate lifesaving appliances
TDM MF30 01A		Maintain a safe navigational watch
TDM ML2 01A		Contribute to effective human relationships on board a vessel

## Attachment 2 - TDM unit of competency titles required for NSCV- Part D marine licences

### Engineering certificates

<b>Basic Units:</b> required for all deck classes in addition to units for the specific marine certificate class.		
<i>Unit Number</i>		<i>Unit Title</i>
TDM MF10 01A		Provide First Aid
Elements of Shipboard Safety	TDM MF7 01B	Observe safe working practises and procedures on board a vessel
	TDM MF8 01B	Comply with emergency procedures on board a vessel
	TDM MF11 01A	Survival at sea in the event of vessel abandonment
	TDM MF12 01A	Minimise the risk of fire and maintain a state of readiness to respond to emergency situations involving fire
	TDM MF53 02A	Fight and extinguish fires on board a small vessel
Alternate Elements of Shipboard Safety	SFICORE 106A &	Meet workplace OHS requirements
	SFISHIP 212B	Take emergency action on board a vessel

## Attachment 2 - TDM unit of competency titles required for NSCV- Part D marine licences

### Engineering certificates

Units required for the licence class of <b>Marine Engine Driver Grade 3</b> in addition to the basic units.	
<i>Unit Number</i>	<i>Unit Title</i>
TDM ML2 01A	Contribute to effective human relationships on board a vessel
TDM ME1 01A	Understand orders and be understood in relation to shipboard duties
TDM MB19 01A	Carry out basic hull servicing
TDM MB36 01A	Prepare a small vessel's machinery for sea
TDM MF39 01A	Maintain running log including fuel calculations and written reports
TDM MR18 01A	Use deck machinery installed on a small vessel
TDM MR19 01A	Safely stow explosive and flammable materials
TDM MR30 01A	Operate and carry out basic service checks on small vessel marine propulsion systems
TDM MR31 01A	Operate and carry out basic servicing on auxiliary systems
TDM MR32 01A	Operate and carry out basic routine servicing of marine extra low and low voltage electrical systems.
TDM MR54 02A	Carry out refuelling and fuel transfer operations
TDM MU5 02A	Ensure compliance with environmental considerations in a small domestic vessel
MEM 18.1 A	Use hand tools
MEM 18.2 A	Use power tools/ hand held operations

## Attachment 2 - TDM unit of competency titles required for NSCV- Part D marine licences

### Engineering certificates

Units required for the licence class of <u>Marine Engine Driver Grade 2</u> in addition to the basic units.	
<i>Unit Number</i>	<i>Unit Title</i>
TDM ML2 01A	Contribute to effective human relationships on board a vessel
TDM ME1 01A	Understand orders and be understood in relation to shipboard duties
TDM MB19 01A	Carry out basic hull servicing
TDM MR19 01A	Safely stow explosive and flammable materials
TDM MR54 02A	Carry out refuelling and fuel transfer operations
TDM MU5 02A	Ensure compliance with environmental considerations in a small domestic vessel
MEM 18.1 A	Use hand tools
MEM 18.2 A	Use power tools/ hand held operations
TDM MB29 01A	Recognise and correct deteriorated fittings and machinery
TDM MF27 01A	Prevent, control and fight fires on board a small vessel
TDM MF40 01A	Carry out basic operational engineering calculations
TDM MR27 01A	Operate and maintain internal combustion engines on vessels of 750kW propulsion power or less
TDM MR28 01A	Operate and maintain auxiliary systems on vessels up to 750kW propulsion power
TDM MR29 01A	Operate and maintain marine low and medium voltage electrical systems

## Attachment 2 - TDM unit of competency titles required for NSCV- Part D marine licences

### Engineering certificates

Units required for the licence class of <b>Marine Engine Driver Grade 1</b> in addition to the basic units.	
<i>Unit Number</i>	<i>Unit Title</i>
TDM ML2 01A	Contribute to effective human relationships on board a vessel
TDM ME1 01A	Understand orders and be understood in relation to shipboard duties
TDM MR19 01A	Safely stow explosive and flammable materials
TDM MR54 02A	Carry out refuelling and fuel transfer operations
TDM MU5 02A	Ensure compliance with environmental considerations in a small domestic vessel
MEM 18.1 A	Use hand tools
MEM 18.2 A	Use power tools/ hand held operations
TDM MF27 01A	Prevent, control and fight fires on board a small vessel
TDM MB31 01A	Organise maintenance and repairs on a small vessel
TDM MB35 01A	Employ damage control techniques on a small vessel
TDM MF4 01A	Maintain the operational condition of life-saving, fire-fighting and other safety systems
TDM MF41 01A	Carry out engineering calculations related to maintenance and operations
TDM MR2 01A	Use and maintain deck equipment and machinery
TDM MR24 01A	Operate and maintain internal combustion engines and propulsion transmission systems
TDM MR25 01A	Operate and maintain auxiliary machinery system, including steering gear and refrigeration systems
TDM MR26 01A	Operate test and maintain marine electrical and control equipment
MEM 5.7A	Manual heating and thermal cutting
MEM 5.12A	Perform routine manual metal arch welding

## Attachment 2 - TDM unit of competency titles required for NSCV- Part D marine licences

### Engineering certificates

Units required for the licence class of <b>Marine Engineer Class 3</b> in addition to the basic units.		
<i>Unit Number</i>	<i>Unit Title</i>	
TDM ML2 01A	Contribute to effective human relationships on board a vessel	
TDM ME1 01A	Understand orders and be understood in relation to shipboard duties	
TDM MR19 01A	Safely stow explosive and flammable materials	
TDM MR54 02A	Carry out refuelling and fuel transfer operations	
MEM 18.1 A	Use hand tools	
MEM 18.2 A	Use power tools/ hand held operations	
TDM MF4 01A	Maintain the operational condition of life-saving, fire-fighting and other safety systems	
TDM MF41 01A	Carry out engineering calculations related to maintenance and operations	
TDM MR2 01A	Use and maintain deck equipment and machinery	
MEM 5.7A	Manual heating and thermal cutting	
MEM 5.12A	Perform routine manual metal arch welding	
TDM MB37 01A	Fabricate simple shipboard components	
TDM MB38 01A	Dismantle, inspect, repair and reassemble vessel machinery	
ADF	TDM MF13 01A	Manage marine fire fighting and prevention activities
	TDM MF20 01A	Prevent, control and fight fires on board a vessel
PSC	TDM MF19 01A	Operate lifesaving appliances
TDM MF38 01A	Establish engine room watchkeeping procedures on vessels of less than 3,000 kW propulsion power	
BA	TDM MF45 02A	Operate breathing apparatus on board a vessel
TDM MF5 01B	Develop emergency and damage control plans and handle emergency situations on board a vessel	
TDM MU1 01A	Monitor compliance with legislative requirements and measure to ensure protection of the environment	
TDM MR21 01A	Operate and maintain engines, machinery and auxiliary power sources on vessels of less than 3,000 kW propulsion power	
TDM MR23 01A	Operate and maintain batteries , starter motors and power distribution systems	

## Attachment 2 - TDM unit of competency titles required for NSCV- Part D marine licences

Units required for the licence class of <u>Marine Engineer Class 3</u> in addition to the basic units (cont).	
<i>Unit Number</i>	<i>Unit Title</i>
MEM 5.4A	Perform oxy acetylene welding
MEM 5.6 A	Perform brazing and/or silver soldering
MEM 7.5A	Perform general machining
TDM MR22 01A	Operate and maintain boiler systems <b><u>(Note: Required for Steam Endorsement only )</u></b>