

Annexure A

APPLICATION TO REGISTER A LEARNERSHIP



Documents to accompany this application form:

- The relevant SAQA qualification document downloaded from the SAQA website.
- If the applying SETA is not the accredited ETQA for the qualification associated with the learnership, proof of adequate arrangements with the relevant ETQA must be attached.

Learnership registration number : _____
Learnership registration date: _____
Learnership review date: _____
SETA responsible for learnership: _____
ETQA accredited for qualification associated with the learnership: _____
(For official use only)

1. SETA information

- 1.1 Name of SETA: _____ TETA _____
- 1.2 Name of Chamber (if applicable): ____ Maritime _____
- 1.3 Details of SETA official responsible for preparing the application
- 1.3.1 Name: _____
- 1.3.2 Telephone number: _____
- 1.4 SETA's telephone number: _____
- 1.5 SETA's fax number: _____
- 1.6 SETA's postal address: _____

- 1.7 SETA's e mail address: _____

2. Qualification information

- 2.1 Title of qualification associated with the learnership:
National Certificate : Fishing Operations
- 2.2 SAQA qualification ID number: 58433
- 2.3 NQF level: Level 2
- 2.4 Expiry date of the qualification: 2010-06-04
- 2.5 Minimum number of credits of the qualification: 120
- 2.6 Entry level requirements for the qualification: nil
- 2.7 Name of ETQA accredited for the qualification: TETA

3. Learnership information

- 3.1 Is this an application to register a new learnership or to replace an existing learnership?

(tick relevant box)

3.1.1 new learnership

3.1.2 learnership to replace an existing learnership

- 3.2 If replacing an existing learnership, indicate the following:

3.2.1 Name of existing learnership: n.a.

3.2.2 Number of existing learnership: n.a.

- 3.3 Learnership title: Marine Motorman Grade 2

- 3.4 Review date of the learnership:

- 3.5 Number of credits to be earned through the learnership: 126

- 3.6 Related occupation (as per Organising Framework for Occupations – OFO):

Boiler or Engine Operator (Skill Level 2)

- 3.7 Occupation code (as per Organising Framework for Occupations – OFO):

712901

4. Learnership identification

4.1 How was the need for this learnership identified?

(tick the relevant box or boxes)

SETA sector skills plan

Skills plans from "adjacent" SETAs

SETA commissioned research

Workplace skills plans

Scarce skills list

Generally available research (specify): _____

Other (specify): _____

4.2 What needs will the learnership address?

- Shortage of SAMSA licensed Marine Motormen
 - Shortage of competent Marine Motormen
- Consolidating the following vessel engineering department competencies per learner :
- Vessel engineering watchkeeping
 - Vessel engineering machinery performance monitoring
 - Vessel engineering routine maintenance and repair work
 - Vessel engineering safety
 - Dealing with emergencies
 - Team work
 - Pollution control and environmental awareness generally and specifically in the vessel's engineering department
 - Maritime legislation
 - Fishing sector specific legislation

4.3. What is the specific purpose of the learnership?

The learner will achieve the current SAMSA Marine Motorman licensing requirement with the associated ancillary and industry sector specific competencies. This will enable the learner to be employed at sea in the engine room of a ship operating locally or internationally which confirms to SAMSA's licensing requirements or comparable international maritime legislation.

5 Learnership outline in case of unit standards based qualification

Occupation name	Boiler or Engine Operator (Skill Level 2)				Occupation number	712901		
Learnership title	Marine Motorman Grade 2				Credit value of this learnership	126		
Qualification title	National Certificate : Fishing Operations				Qualification registration number	58433		
Qualification expiry date	2010-10-06	NQF registration level	2		Credit value of qualification	120		
ETQA accredited for qualification								
Purpose of the learnership	The learner will achieve the current SAMSA Marine Motorman licensing requirement with the associated ancillary and industry sector specific competencies							
Entry level requirements for the learnership	n.a.							
Unit Standard Title	US number	NQF Level	Credit value	Specific Outcomes for each Unit Standard	Percentage of learning at:		Specified Practical Workplace Experience Activities	Notional Hours
					Training Provider	Work Place		
Fundamental Unit Standards								
Access and use information from texts	119463	2	5	<ul style="list-style-type: none"> Use a range of reading and/or viewing strategies to make meaning of texts. Identify the main ideas in different text types. Read/view and respond to texts for a variety of purposes. Identify and discuss how language structures and features may influence a reader/audience. 	40	60	<ul style="list-style-type: none"> Deal with work related reporting e.g. engineering watchkeeping logbook, Contribute vessel management reports e.g. safety reports Contribute to vessel or workplace logbook incident reports Contribute to departmental defect and repair reports 	50
Apply basic knowledge of statistics and probability to influence the use of data and procedures in order to investigate life related problems	9009	2	3	<ul style="list-style-type: none"> Apply various techniques to organise and represent data in order to model situations. Give opinions on the implications of the modelled data for the required purpose. 	40	60	<ul style="list-style-type: none"> Read and interpret organization reports relating to area of expertise e.g. maintenance and defect reports, budget trend reports Contributing to compiling vessel specific information e.g. expected performance, consumptions, utilizations versus the actual etc 	30

Demonstrate understanding of rational and irrational numbers and number systems	7480	2	3	<ul style="list-style-type: none"> • Use and analyse computational tools and strategies, and make estimates and approximations • Demonstrate understanding of numbers and relationships among numbers and number systems, and represent numbers in different ways. 	40	60	<ul style="list-style-type: none"> • Demonstrate knowledge and ability to use the appropriate technologies to perform calculations in areas of expertise e.g. temperatures, pressures, levels and related conversion tables etc. • Assist with performing calculations in area of expertise e.g. relating to machinery operation, settings and performance, rates of consumption of consumables 	30
Identify, describe, compare, classify, explore shape and motion in 2-and 3-dimensional shapes in different contexts	9008	2	3	<ul style="list-style-type: none"> • Estimate, measure and calculate physical quantities to solve problems in practical situations. • Explore transformations of two dimensional geometric figures. 	40	60	<p>Demonstrate knowledge and ability to perform the required calculations in areas of expertise e.g.</p> <ul style="list-style-type: none"> • When performing maintenance and repair work on machinery e.g. taking readings and measurements, checking settings • When participating in machinery operation and watchkeeping activities requiring spacial 	30
Maintain and adapt oral/signed communication	119454	2	5	<ul style="list-style-type: none"> • Use a variety of strategies to maintain communication. • Adapt language to accommodate socio-cultural sensitivities without losing own meaning. • Use knowledge of language structures and conventions to shape or decode meaning of unfamiliar vocabulary or constructions. • Organise and present information in a focused and coherent manner. Identify and explain how speakers/signers influence audiences 	40	60	<p>Demonstrate knowledge and ability to demonstrate the required communication in areas of expertise e.g.</p> <ul style="list-style-type: none"> • Inducting new employees • Participating in voyage planning and review meetings • Supervising machinery operation, maintenance and repair activities • Conducting safety briefings • Conducting emergency drill briefings • Participating watchkeeping team management activities 	50

Use language and communication in occupational learning programmes	119460	2	5	<ul style="list-style-type: none"> • Find and use suitable learning resources • Use learning strategies • Manage occupational learning programme materials • Plan and gather relevant information for use in a given context • Function in a team • Reflect on how characteristics of the workplace and occupational context affect learning 	40	60	<ul style="list-style-type: none"> • Getting to know a new vessel by using resources available e.g. muster check lists, bunk cards, fellow seamen • Using appropriate resources to get to know engineering machinery and watchkeeping procedures and practices e.g. standing orders, legislated publications, fellow seamen etc • Using appropriate resources to get to know machinery, related systems and engineering watchkeeping activities e.g. operator manuals, company specifications, fellow seamen etc • Using appropriate resources to get to know equipment and technology in use during engineering watchkeeping and maintenance and repair activities e.g. operator manuals, company specifications, fellow seamen etc 	50
Use mathematics to investigate and monitor the financial aspects of personal and community life	7469	2	2	<ul style="list-style-type: none"> • Use mathematics to plan and control personal and/or household budgets and income and expenditure; • Use simple and compound interest to make sense of and define a variety of situations including investments, stokvels, inflation, appreciation and depreciation; Investigate various aspects of financial transactions including costs, prices, revenue, cost price, selling price, loss and profit. 	40	60	<ul style="list-style-type: none"> • Perform personal calculations in the workplace e.g. personal wages due based on work performed and commissions due • Perform personal calculations e.g. investment options and hire purchase loan or bonds arrangements regarding interest and term rates etc • Calculating personal leave and shore leave due based on periods of work performed • Contributing to calculating the use and consumption rate of consumables in the engineering dept versus what is available e.g.fuel, lubricants, water etc 	20
Work with a range of patterns and functions and solve problems	9007	2	5	<ul style="list-style-type: none"> • Convert flexibly between and within various representations of functions. 	40	60	<ul style="list-style-type: none"> • Performs specific machinery performance and engineering watchkeeping calculations • Performs specific with vessel stability calculations e.g. involving fuel consumption, the transferring of fuel and storage of fish being caught • Performs specific fuel consumption versus vessel movement calculations 	50

Write/present for a defined context	119456	2	5	<ul style="list-style-type: none"> • Write/sign for a specific purpose, audience and context • Use grammatical structures and writing/signing conventions to produce coherent and cohesive texts for specific contexts • Adapt language to suit context • Draft and edit own writing/signing. 	40	60	<ul style="list-style-type: none"> • Participate in voyage planning meetings / discussions • Participate in engineering dept strategy sessions e.g. regarding machinery performance and maintenance and repair requirements • Participate in engineering dept management discussions • Participate in crew consultation sessions e.g. regarding safety, working conditions etc • Participate in preparing voyage reports e.g. regarding engineering dept performance, vessel and crew performance, incidents 	50
TOTAL		25	TOTAL				TOTAL	

Core Unit Standards								
Contribute to effective human relationships on board a vessel	114002	2	2	<ul style="list-style-type: none"> • Explain effective human relationships onboard a vessel. • Observe standards of work and behaviour onboard a vessel. • Resolve conflicts. 	30	70	<ul style="list-style-type: none"> • Contribute productivity to interactions with fellow crew members • Participate in crew management activities e.g. in terms of POLC, IR etc 	20
Demonstrate knowledge and understanding of safety techniques aboard ship	244006	2	2	<ul style="list-style-type: none"> • Explaining elementary safety matters, safety information symbols and alarm signals. • Explaining actions appropriate to a shipboard emergency signal in accordance with assigned duties. • Explaining actions to be taken in accordance with established emergency procedures, in the event of encountering a fire on board a ship. • Explaining immediate actions to be taken on encountering an accident or other medical emergency. • Explaining the operation of fire, weather-tight and watertight doors. 	30	70	<ul style="list-style-type: none"> • Providing specific back-up in Safety drills e.g. demonstrating the use of safety equipment, leading a search and rescue team • Conducting safety briefings and meetings • Conducting safety audits • Participating in safety planned maintenance e.g. operating emergency fire pumps • Checking for unsafe acts and conditions 	20
Describe and apply fire prevention and fire fighting aboard ship	243986	2	3	<ul style="list-style-type: none"> • Describing how to minimise the risk of fire and maintain a state of readiness to respond to emergency situations involving fire. • Demonstrating the use of ship-boarding fire-fighting equipment. • Extinguishing fires using the appropriate method, extinguishing medium, fire-fighting appliances and equipment. • Navigating safely through darkened, high-expansion foam filled compartment wearing a lifeline. • Navigating safely through a darkened, smoke-filled compartment wearing breathing apparatus. • Conducting a search and rescue in a darkened, smoke-filled compartment. 	30	70	<ul style="list-style-type: none"> • Providing specific back-up in fire drills e.g. explaining to use of various fire extinguishers for various situations • Contributing to fire equipment safety checks • Participate as fire fighting team member e.g. wearing the B.A. set • Supervising crew to avoid unsafe acts and unsafe conditions relating to fire starting on the trawler / workplace 	30

Handle a liferaft during an emergency	243987	2	8	<ul style="list-style-type: none"> • Explaining the different types of emergencies at sea and types of resources, equipment and methods to abandon ship. • Explaining ship abandonment procedures. Boarding a liferaft. • Explaining the management of survivors and liferaft after abandoning ship. 	30	70	<ul style="list-style-type: none"> • Providing specific back-up in Safety drills e.g. demonstrating the use of the life jacket, explaining the launching of the liferaft • Conducting safety briefings and meetings • Conducting safety audits e.g. location, condition and service record of emergency locating devices 	80
Provide risk-based primary emergency care/first aid in the workplace	120496	2	5	<ul style="list-style-type: none"> • Demonstrate the principles of primary emergency care. • Assess and control a single injury emergency scene in the workplace. • Demonstrate primary emergency life support for adults, children and infants. • Explain and manage shock. • Carry out secondary assessment of the sick or injured person and provide appropriate primary emergency care at the scene. • Keep records of the incident/accident. 	30	70	<ul style="list-style-type: none"> • Providing a specific role in emergency drills dealing with marine first aid incidents e.g. explaining the process of “dressing” of a bleeding wound • May participate as first aider in an emergency team • Supervising crew to avoid unsafe acts and unsafe conditions that may result in first aid being needed on the trawler / workplace 	50
Explain pollution control and safe working practices	243999	3	2	<ul style="list-style-type: none"> • Explaining the precautions required to prevent pollution to the Marine Environment. • Explaining the Code of Safe Working Practises for Fishermen. • Describing safety precautions on board ship. 	30	70	<ul style="list-style-type: none"> • Briefing the crew on the need for pollution control the related measures to be taken from day to day • Supervise the daily activities of crew to prevent situations that may result in pollution • Supervising crew to avoid unsafe acts and unsafe conditions in the trawler / workplace 	20

Respond to distress signals and emergencies at sea and in port	243989	3	3	<ul style="list-style-type: none"> • Explaining the measures to be taken in emergencies for the protection and safety of ship, passengers and crew. • Explaining how to respond to emergencies and distress signals at sea. • Responding to emergencies in port. • Explaining emergency steering systems. • Explaining the operation of the South African Search and Rescue (SASAR) organisation. 	30	70	<ul style="list-style-type: none"> • Brief crew on distress signals, emergencies at sea and in port and the related action • Assist with checking the emergency steering arrangements • Supervising crew to ensure readiness for emergencies in port and at sea 	30	
TOTAL		36	TOTAL				TOTAL		

Elective Unit Standards								
Carry out basic service checks on small vessel marine propulsion system	114007	2	6	<ul style="list-style-type: none"> Operate propulsion systems. Carry out basic, routine servicing procedures on propulsion systems. Follow safety and hazard control procedures 	30	70	<ul style="list-style-type: none"> The propulsion system is prepared, started, operated, monitored during operation, deviations corrected and shut down on a vessel Emergency and contingency plans are carried out in the event of a failure or emergency involving propulsion systems 	60
Operate a centrifugal separator in the seagoing maritime industry	244007	2	6	<ul style="list-style-type: none"> Demonstrating an understanding of separating liquids and solids using centrifugal force. Preparing to separate liquids and solids. Separating liquids using centrifugal force. Perform end of separation procedures 	30	70	<ul style="list-style-type: none"> Individual components of the specific centrifugal separating system on the vessel are identified The centrifugal separator is prepared and started Parameters for separation are set for liquids and solids to be separated Routine separation problems are identified and dealt with The centrifugal separator is shut down The equipment is cleaned and ready for re-use 	60
Operate and carry out basic routine servicing of marine extra low and low voltage electrical systems	244009	2	6	<ul style="list-style-type: none"> Demonstrating knowledge of Marine extra low and low voltage electrical systems. Operating extra low voltage electrical systems. Operating and carrying out basic servicing of starter motors, alternators and associated equipment. Following safety and hazard control procedures 	30	70	<ul style="list-style-type: none"> The extra low and low voltage electrical systems are safely operated and basic servicing carried out Operating, fault finding and basic repair work on starter motors, alternators and associated equipment is carried out Operational hazards are identified and action is taken to minimise or eliminate risk to personnel, vessel and the environment 	60

Perform watchkeeping procedures in the engine room of a seagoing vessel	244289	2	8	<ul style="list-style-type: none"> • Reporting for a watch in an engine room. • Reading and recording temperatures, pressures and fluid levels. • Describing the procedure for dealing with common defects in the propelling and auxiliary machinery. • Assisting in the manual operation of automated machinery. • Demonstrating an understanding of basic environmental protection procedures 	30	70	<ul style="list-style-type: none"> • Taking and handing over the watch in an engine room demonstrated • The reading and recording of temperatures, pressures and fluid levels demonstrated • Dealing with common / routine defects in the propelling and auxiliary machinery • Dealing with the manual operation of automated machinery under supervision • Dealing with basic / routine environmental protection procedures such as : reporting oil spill or discharge of oil into the sea, demonstrating an awareness of the vessel's oil spill contingency plans, classification of garbage and the correct methods of disposal, demonstrating methods to avoid discharge of oil into the sea during fuel transfer operations and while pumping bilges 	80
Demonstrate knowledge of vessel construction and stability	244010	3	8	<ul style="list-style-type: none"> • Identifying the principal parts and fittings of a vessel. • Describing vessel stability and safety terminology. • Explaining vessel stability and safety requirements. • Explaining stowage safety requirements. • Describing the types of vessels in operation. • Describing systems on a vessel. • Explaining the need to maintain the watertight integrity of the vessel 	30	70	<ul style="list-style-type: none"> • Principal parts and fittings on the vessel and their purpose known • The vessel's stability characteristics and associated dangers are known : the condition of a stiff and/or tender ship, the condition of free surface effect, free board and reserve buoyancy, displacement, deadweight and gross tonnage • The vessel's stability and safety requirements are known : the hull survey, items surveyed and the period between the surveys for the Local General Certificate, the centre of gravity, centre of buoyancy and meta-centric height, the bilge pumping system • Vessel safe stowage requirements are known and dealt with • The types of vessels in operation are pointed out at sea • The systems on a vessel are known and their correct and safe use are demonstrated • Maintaining the watertight integrity of the vessel is carried out 	80

<p>Explain machinery spaces, construction and operation of equipment and propelling machinery on seagoing vessels</p>	<p>243988</p>	<p>3</p>	<p>15</p>	<ul style="list-style-type: none"> • Identifying ship`s machinery and systems. • Explaining the basic construction and operation of the ship`s diesel engines. • Explaining the basic construction and operation of the ship`s refrigeration system. • Explaining the basic construction and operation of the ship`s main engineering pumping systems. • Explaining the basic construction and operation of the ship`s steering gear. • Explaining the basic construction and operation of the ship`s electrical systems. 	<p>30</p>	<p>70</p>	<ul style="list-style-type: none"> • Individual machinery and systems on the vessel are identified and the general technical specifications of each piece of machinery and system is known • Individual parts and systems of diesel engines, refrigeration system and engineering pumping systems, on the vessel are identified and the related general technical specifications are known • Preparation, starting procedures, running checks and stopping procedures for the diesel engines, refrigeration system and engineering pumping systems, are demonstrated • Corrective action required during preparation to start, starting, running and stopping the diesel engines, refrigeration system and engineering pumping systems, are known • The basic construction, routine and emergency operation of the ship`s steering gear on the vessel is known and can be demonstrated. • The basic construction, operation, safety precautions and corrective action when using the ship`s electrical systems is known and can be demonstrated 	<p>150</p>
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Monitor and control the implementation of safe working practices on a fishing vessel	243992	3	3	<ul style="list-style-type: none"> • Describing the legislation and safe working practices that are applicable on a fishing vessel. • Describing and applying basic safety principles and the philosophy of accident prevention. • Describing the roles and responsibilities of those employees involved in safety management on a fishing vessel. • Describing how routine inspections are conducted on a fishing vessel. • Describing how safety is implemented and conducted to specific investigations on a fishing vessel. • Describing the process of compiling and writing inspection and incident reports. • Describing the safety aspect review and follow up activities for the safety of fishing vessels. • Applying the requirements of the Merchant Shipping Act 57 of 1951 in respect to occupational safety on fishing vessels. 	20	80	<ul style="list-style-type: none"> • The application and implications of maritime legislation relating to safety on board ship is known • The consequences of poor safety standards and management, potential hazards and risks, causes of incidents and accidents, corrective and preventative measures on the vessel are known • The roles and responsibilities of the safety officer, safety committee, safety representative, safety appointee, employer and employee on the vessel are known and can be demonstrated • Routine inspections are conducted on a fishing vessel • How to conduct specific safety related investigations on a fishing vessel is known and can be demonstrated • The process of compiling and writing inspection and incident reports on a vessel is known and can be demonstrated. • The process of safety aspect review and follow up activities for the safety of fishing vessels is known and can be demonstrated. • The application of the requirements of the Merchant Shipping Act 57 of 1951 in respect to occupational safety on the vessel is known 	30
Operate refrigeration equipment on board a vessel	244000	3	10	<ul style="list-style-type: none"> • Demonstrate knowledge of refrigeration equipment encountered on board the vessel • Operate refrigeration equipment • Identify and respond to deviations from normal operating conditions 	30	70	<ul style="list-style-type: none"> • The refrigeration equipment encountered on board the vessel is known in terms of the various parts, their functions, the refrigerant used and it's properties, hazards and safety precautions • The operation of the refrigeration equipment on the vessel is carried out with reference to the equipment specifications and control systems, product requirements, safety and routine maintenance • Identify and respond to deviations from normal operating conditions on refrigeration equipment on the vessel 	100

Identify current legislative and company procedures applicable to the Fishing Industry	115072	2	3	<ul style="list-style-type: none"> Identify current legislative and regulatory requirements, and company specific operating procedures applicable to a fishing vessel. Identify current legislative requirements applicable to marine resources. Identify and describe available fishing rights and application evaluation criteria 	30	70	<ul style="list-style-type: none"> Demonstrate knowledge of the current legislative, regulatory requirements and related structures and company operating procedures applicable to the vessel's operating certificate Safety equipment required on the vessel in accordance with a vessel's operating certificate is identified. Demonstrate knowledge of the management of the marine resource as it relates to the company, vessel and crew Demonstrate knowledge of the different fishing right categories applicable to the company and vessel 	30	
TOTAL				65	TOTAL			TOTAL	

6 Learnership outline in case of non- unit standards based qualification

Occupation name					Occupation number				
Learnership title					Credit value of this learnership				
Qualification title					Qualification registration number				
Qualification expiry date				NQF registration level			Credit value of qualification		
ETQA accredited for qualification									
Purpose of the learnership _____									
Entry level requirements for the learnership _____									
Exit level outcomes		Specific theoretical learning outcomes		Notional Learning Hours	Percentage of learning at:		Specified Practical Workplace Experience Activities		Notional Learning Hours
					Training Provider	Work Place			
Year 1									

			TOTAL			
Year 2						
			TOTAL			
Year 3						
			TOTAL			

7. Declaration by SETA

We declare that this application is a true and accurate reflection of the learnership, the qualification associated with the learnership and the rationale for the learnership.

Signed on this _____ day of _____ 20_____

at _____

SETA Executive Officer:

Name

Signature

ETQA Manager:

Name

Signature

Learnership Manager:

Name

Signature

