No. 924　　　　　　　　　　　　　　　　　　**14 September 2006**

SAQA

SOUTH AFRICAN QUALIFICATIONS AUTHORITY (SAQA)

In accordance with regulation 24(c) of the National Standards Bodies Regulations of 28 March 1998, the Standards Generating Body (SGB) for

Transport, Operations and Logistics

Registered by Organising Field 11, Services, publishes the following Qualification and Unit Standards for public comment.

This notice contains the titles, fields, sub-fields, NQF levels, credits, and purpose of the Qualification and Unit Standards. The Qualification and Unit Standards can be accessed via the SAQA web-site at **www.saqa.org.za**. Copies may also be obtained from the Directorate of Standards Setting and Development at the SAQA offices, **Hatfield Forum West, 1067 Arcadia Street, Hatfield, Pretoria.**

Comment on the Qualification and Unit Standards should reach SAQA at the address *below and no later than 13 October 2006.* All correspondence should be marked **Standards Setting – SGB for Transport, Operations and Logistics** and addressed to

> The Director: Standards Setting and Development
> SAQA
> *Attention: Mr. D Mphuthing*
> Postnet Suite 248
> Private Bag X06
> Waterkloof
> 0145
> or faxed to 012 – 431-5144
> e-mail: dmphuthing@saqa.org.za

SHAMRITA BHIKHA
DIRECTOR: STANDARDS SETTING AND DEVELOPMENT

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

QUALIFICATION:

National Certificate: Maritime Operations

SAQA QUAL ID	QUALIFICATION TITLE		
48535	National Certificate: Maritime Operations		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
QUAL TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD**
National Certificate	Services		Transport, Operations and Logistics
ABET BAND	**MINIMUM CREDITS**	**NQF LEVEL**	**QUALIFICATION CLASS**
Undefined	130	Level 3	Regular-Unit Stds Based

PURPOSE AND RATIONALE OF THE QUALIFICATION

Purpose:

This qualification is aimed at people who work or intend to work on board ship as Able Seamen and/or Oilers (on deck and/or in the engine room). In particular, this qualification will be useful for Able Seamen and Oilers:

> In ocean going Marine contexts.
> In coastal and ocean going fishing operations.
> On liquid cargo tankers.
> In engine rooms on marine and fishing vessels.

This qualification is designed to equip qualifying learners with the knowledge and skills to conduct the essential operations associated with efficient and safe Maritime Operations.

Qualifying learners will be able to:

> Communicate in a variety of ways and for a range of purposes.
> Use mathematics in real life situations.
> Demonstrate a range of seamanship skills.
> Handle cargo.
> Respond to emergencies at sea.

In addition, learners will be able to perform some of the following according to their choice of Electives:

> Assist with the navigation of the vessel.
> Work on a commercial fishing vessel.
> Maintain watch on liquid cargo tankers.
> Perform basic engineering maintenance and repair operations.

Learners will generally carry out their role within the context of:

> Given ship instructions and administration and/or safety systems.
> Set maintenance procedures.
> Given inspection and testing procedures.
> Given Quality Assurance policies, procedures and processes.
> The framework of the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW) and the South African Maritime Safety Authority (SAMSA) regulations and licensing requirements.

Rationale:

Maritime Operations is a priority area within the South African transport context and is supported by legislation, national policies and strategies. In order to meet the requirements of the workplace it is important to have competent seaman at various levels. There is a critical need in the industry to have people to conduct the essential operations associated with efficient and safe onboard operations relative to surface Navigation and Engineering environments under normal shipping conditions, on board fishing vessels, tankers, or in port operations.

The majority of the learners for this Qualification are likely to be already working in the Maritime Sector. The Qualification will give them the opportunity to build on experience or Qualifications they already have, and complement their practical skills with the essential knowledge needed to earn a formal Qualification and a licensed position in Maritime Operations.

RECOGNIZE PREVIOUS LEARNING?

Y

LEARNING ASSUMED TO BE IN PLACE

> Communication at NQF Level 2.
> Mathematical Literacy at NQF 2.

Recognition of prior learning:

The structure of this qualification makes the Recognition of Prior Learning possible through the assessment of individual Unit Standards. This qualification may therefore be achieved in part or completely through the recognition of prior learning, which includes formal, informal and non-formal learning and work experience. The learner should be thoroughly briefed on the mechanism to be used and support and guidance should be provided. Care should be taken that the mechanism used provides the learner with an opportunity to demonstrate competence and is not so onerous as to prevent learners from taking up the RPL option towards gaining a qualification.

If the learner is able to demonstrate competence in the knowledge, skills, values and attitudes implicit in this qualification the appropriate credits should be assigned to the learner. Recognition of Prior Learning will be done by means of Integrated Assessment as mentioned above.

This Recognition of prior learning may allow:

> Accelerated access to further learning at this or higher levels on the NQF.
> Gaining of credits towards the Exit Level Outcomes.
> Obtaining of this Qualification in part or in whole.

Access to the qualification:

This qualification is open to anyone with access to learning opportunities and work experience in the areas reflected in the exit level outcomes and unit standards.

QUALIFICATION RULES

The National Certificate: Maritime Operations Level 3 is made up of a planned combination of learning outcomes that have a defined purpose and will provide qualifying learners with applied competence and a foundation for further learning.

The Qualification is made up of Unit Standards classified as Fundamental, Core and Elective.

> Fundamental: 36 credits.
> Core: 76 credits.
> Elective□: 18 credits (minimum).
> Total: 130 credits (minimum).

> Fundamental Components:

The 36 credits allocated for the Fundamental Unit Standards are compulsory.

> Core Components:

76 credits have been allocated to the Core Unit Standards. This is to ensure that the Qualification has a strong focus on Maritime Operations. All 76 credits in the Core component are compulsory. The Core Unit

Standards offer a broad contextual understanding and will enable the learners to gain competence in the operations within the Maritime Industry.

> Elective Components:

A minimum of 18 credits must be selected by the learner from the 204 credits available. Learners may also choose other Elective Unit Standards that are applicable to their particular circumstances, but which are not listed in the Qualification with the permission of the relevant ETQA.

EXIT LEVEL OUTCOMES

The outcomes are specified in terms of a combination of Specific and Critical Cross-Field Outcomes as defined in the different unit standards. On achieving this Qualification, a learner is able to:

1. Demonstrate knowledge of and apply legislation and vessel policies and procedures.

2. Work on board a sea-going vessel.

3. Implement cargo movement practices.

4. Apply first aid and safety on board a vessel.

ASSOCIATED ASSESSMENT CRITERIA

1:
> Legislation is understood and applied in accordance with requirements and environmental guidelines.
> Vessel policies and procedures are understood and applied in accordance with standards and procedures.

2:
> Work is performed onboard a vessel and in the engine room in accordance with safety standards and procedures.
> A vessel is maintained in a safe manner and in accordance with operational standards and procedures.
> Securing devices are maintained and used on board a vessel in accordance with vessel standards and procedures.
> Work is carried out with other team members on board a vessel in a safe and productive manner.

3:
> Cargo is moved into and out of the vessel in accordance with standards and procedures.
> Move cargo into and out of the vessel in a safe manner.

4:
> First aid is performd in accordance with requirements.
> A fire on board a vessel is extinguished in accordance with safety standards.
> Survival practices and procedures are followed in the event of ship abandonment.

Integrated assessment:

Assessment should be carried out at regular intervals as well as at the end of the periods of study and should be offered in an integrated way. It is envisaged that learners will work at more than one unit standard at a time.

The achievement of applied competence of this qualification will be demonstrated if the learner is able to apply operational knowledge and skills to operate on board a sea going vessel in a safe manner.

Evidence is required that the candidate is able to achieve the purpose of the qualification as a whole at the time of the award of the qualification. Integration of skills will be demonstrated through the achievement of the core operational standards.

Assessors should note that evidence of integration could well be presented by candidates when being assessed against the individual unit standards. Thus, there should not necessarily be separate assessments for each unit standard and then further assessment for integration. Well-designed assessments should make it possible to gain evidence against each unit standard while at the same time gaining evidence of integration.

INTERNATIONAL COMPARABILITY

The Maritime profession is an area with globally recognised best practices, standards and Qualifications.

This Qualification and set of Unit Standards utilises international and locally recognised best practice and standards.

The following qualifications, courses and modules were used as part of the international comparability exercise:

1. Papua New Guinea: National Fisheries College:

> Certificate in Fishing Operations 1 (CFO1):
A course for deckhand qualifications for fishing boat crews:
  > Basic skills required for employment as qualified deckhands on fishing boats.
  > Safe working practices, safety at seas, radio operations, deck skills, fish quality and handling.
  > Teamwork, discipline and understanding the chain of command at sea.

> Certificate in Small Fishing Operations - 1 & 2:
  > Boat Safety.
  > Basic Navigation.
  > Mechanical maintenance and repair.
  > Fishing Gear Design.
  > Fishing Operations.
  > Seafood Handling.
  > Small Business Management.
  > Fisheries Resources Management.

2. United Kingdom: Maritime Training (Plymouth):

> Efficient Deck Hand (Ref. MCA - MGN 10):
  > Meaning of common nautical terms.
  > Name and function of various parts and equipment of the ship.
  > Use and care of ropes and wires, splicing of ropes.
  > Use of different types of blacks and shackles, bottle screws, bull-dog grips, thimbles, monkey plates.
  > Rigging and attendance of pilot ladders and hoists.
  > Rigging and bosun's chair and slinging an over side stager.
  > Precautions to be taken while working over side.
  > Identification of commonly used single letter flags.
  > Maintain an efficient lookout.
  > Operation of windlass, mooring winch, back spring, skip wire, rope stopper, chain stopper.
  > Opening and closing hatches, rigging up derrick.
  > Knots, bends and hitches in common use.
  > Securing in anticipation of rough sea.

> Deck Officer Certificates of Competence - Ancillary Courses:

> STCW '95 Basic Safety Training:
  > Basic principles of First Aid.
  > Fire Fighting, Survival at Sea.
  > Personal Safety and Social Responsibility.

> Basic and Advanced Fire Fighting:
  > Principles of Fire Fighting.
  > Breathing Apparatus.
  > Command and Control of Fire Fighting Teams.

> Navigation, Radar and ARPA Simulation:
  > Navigation principles.
  > Electronic navigation aids.
  > Radar Principles and Operation.
  > Collision prevention.
  > Automatic Radar Plotting Aids.

> Small Ships Navigation and Radar:
  > Chartwork.
  > Navigational aids.
  > Bridge watchkeeping.
  > Prevention of collision.
  > Radar principles.

3.1. Australia: Australian Maritime College - School of Maritime Industry Operations (SMIO):

> Deck Hand Course:
 > First Aid.
 > Fire-fighting.
 > Survival at Sea.
 > Occupational Health and Safety.
 > Seamanship Skills.

3.2. Australia: WideBay TAFE - TAFE Queensland, Department of Employment and Training:

> Certificate III in Seafood Industry (Fishing Operations):
 > Food handling and safety procedures.
 > Communication.
 > Workplace health and safety requirements.
 > Maintaining marine vessels and equipment.
 > Operating and maintaining outboard motors.
 > Emergency procedures on board a vessel.
 > Preparing for maintenance activities.
 > First Aid procedures.
 > Locating fishing grounds.
 > Managing and controlling fishing operations.
 > Complying with organisational and legislative requirements.
 > Operating low powered diesel propulsion systems and engine equipment.
 > Operate marine plant and systems.

4. United States: Fort Lauderdale - Maritime Professional Training Masters, Mates & Engineers Inc.:

> Lifeboatman/Proficiency in survival Craft and Rescue Boats:
 > Survival methods.
 > Inflatable liferafts.
 > Lifeboats.
 > Survival equipment.
 > Launching and recovery of life boats.
 > Shipboard Davit Systems.
 > Oar commands.

> Automatic Radar Plotting Aids (ARPA):
 > Review of Radar Plotting Techniques.
 > ARPA Theory.
 > ARPA Errors and limitations.
 > Setting up and maintaining ARPA displays.
 > Use of ARPA information to avoid close quarters situations.
 > Navigation aided by ARPA.

> Advanced Fire Fighting:
 > Pre-fire planning.
 > Rapid response team concept.
 > Incident command team.
 > Stability considerations during fire fighting operations.
 > Hazardous materials storage and organisation.
 > Inspection and service of fire detection and extinguishing systems and equipment.
 > Port fire investigation.
 > Combating shipboard fire.

5. Mumbai, India: International Maritime Training Centre:

> Practical Deck Skills Workshop:
 > Practical training in knots, bends, hitches and splices with synthetic and natural fibre rope.
 > Practical training in splices with wire rope.
 > Surface maintenance theory and procedures.
 > General maintenance of deck equipment.

6. New Zealand: New Zealand Qualifications Authority:

> National Certificate in Seafood Vessel Operations (Fishing Technology) - Level 3, 76 credits.
> National Certificate in Seafood Vessel Operations (Nautical Skills) - Level 3, 77 credits.
> National Certificate in Seafood Vessel Operations (Small Vessel Seafood Harvesting) - Level 2, 40 credits.

The contents of the international qualifications, courses and modules are reflected clearly in the Exit Level Outcomes, in the related Associated Assessment Criteria and in the Unit Standards of this Qualification. It is evident that the international qualifications and the South African qualification have very similar, if not the same, contents.

ARTICULATION OPTIONS

Horizontal articulation is possible with:

> 14574: National Certificate: Freight Handling, NQF Level 3 (where cargo loading and crane operation are common activities).
> 24456: National Certificate: Maintaining Vehicles, NQF Level 3.
> 22933: Technical Certificate: Mechanical Fitting, NQF Level 3.

Vertical progression is possible with:

> 3231: Certificate: Road Transport: Freight, NQF Level 4.
> 14056: Certificate: Motor Mechanic, NQF Level 4.

MODERATION OPTIONS

> Anyone assessing a learner or moderating the assessment of a learner against this qualification must be registered as an assessor with the relevant ETQA.

> Any institution offering learning that will enable the achievement of this Qualification must be accredited as a provider with the relevant ETQA.

> Assessment and moderation of assessment will be overseen by the relevant ETQA according to the ETQA's policies and guidelines for assessment and moderation; in terms of agreements reached around assessment and moderation between ETQA's (including professional bodies); and in terms of the moderation guideline detailed immediately below.

> Moderation must include both internal and external moderation of assessments at exit points of the qualification, unless ETQA policies specify otherwise. Moderation should also encompass achievement of the competence described both in individual unit standards, exit level outcomes as well as the integrated competence described in the qualification.

> Anyone wishing to be assessed against this qualification may apply to be assessed by any assessment agency, assessor or provider institution that is accredited by the relevant ETQA.

CRITERIA FOR THE REGISTRATION OF ASSESSORS

Assessors registered with the relevantTETA must carry out the assessment of learners. The following criteria are specified for assessors:

> Relevant qualification at NQF Level 3 or higher.
> Minimum of 2 years' experience.
> Registration as an assessor with the relevant ETQA.
> Assessors must be registered SAMSA assessors.
> Requisite SAMSA license.

NOTES

N/A

UNIT STANDARDS
(Note: A blank space after this line means that the qualification is not based on Unit Standards.)

	UNIT STANDARD ID AND TITLE	LEVEL	CREDITS	STATUS
Core	12483 Perform basic first aid	Level 2	4	Reregistered
Core	113997 Maintain the physical operating condition and appearance of the vessel	Level 2	3	Recommended
Core	114002 Contribute to effective human relationships on board a vessel	Level 2	2	Recommended

Core	114025 Identify current legislative and company procedures applicable to the maritime industry	Level 2	3	Recommended
Core	113986 Demonstrate knowledge of environmental policies and legislation	Level 3	4	Recommended
Core	113994 Transfer and secure cargo and stores	Level 3	8	Recommended
Core	113995 Work with fibre ropes, wire ropes and chains on a vessel	Level 3	8	Recommended
Core	113998 Carry out rigging operations on a vessel	Level 3	8	Recommended
Core	114001 Carry out safety, survival and emergency procedures	Level 3	9	Recommended
Core	114006 Follow safe deck practices on a commercial vessel	Level 3	10	Recommended
Core	114009 Carry out maritime communications	Level 3	3	Recommended
Core	114011 Control and extinguish fire	Level 3	4	Recommended
Core	115068 Follow safe engine room practices on a commercial vessel	Level 3	10	Recommended
Elective	113991 Verify the operational condition of safety equipment	Level 2	4	Recommended
Elective	114007 Operate and carry out basic service checks on small vessel marine propulsion systems	Level 2	6	Recommended
Elective	115072 Identify current legislative and company procedures applicable to the Fishing Industry	Level 2	3	Recommended
Elective	113979 Steer a commercial vessel and keep watch	Level 3	6	Recommended
Elective	113980 Monitor the competence and performance of crew on board ship	Level 3	4	Recommended
Elective	113982 Operate a vessel's machinery, fittings and equipment	Level 3	10	Recommended
Elective	113983 Apply weather information when navigating a small vessel	Level 3	6	Recommended
Elective	113984 Adjust and position trawls	Level 3	4	Recommended
Elective	113985 Maintain, prepare, deploy and retrieve trawls to land catch	Level 3	8	Recommended
Elective	113987 Carry out watch keeping operations in port	Level 3	10	Recommended
Elective	113988 Maintain, prepare, deploy and retrieve lines and long lines to land catch	Level 3	6	Recommended
Elective	113989 Assist with the operation of main and auxiliary machinery and associated control systems	Level 3	15	Recommended
Elective	113990 Adjust and position nets	Level 3	4	Recommended
Elective	113992 Operate auxiliary equipment and systems	Level 3	10	Recommended
Elective	113993 Maintain, prepare, deploy and retrieve crayfish traps to land catch	Level 3	6	Recommended
Elective	113999 Apply seamanship skills and techniques when operating a small vessel	Level 3	6	Recommended
Elective	114000 Secure a vessel at mooring, anchor and berth	Level 3	4	Recommended
Elective	114003 Carry out watch keeping duties in the engine room at sea and in port	Level 3	15	Recommended
Elective	114004 Respond to and signal distress	Level 3	3	Recommended
Elective	114005 Maintain, prepare, deploy and retrieve fishing nets to land catch	Level 3	8	Recommended
Elective	114008 Describe and explain the danger associated with flammable cargoes	Level 3	10	Recommended
Elective	114010 Adjust and position lines and long lines	Level 3	4	Recommended
Elective	114034 Carry out trawl net repair	Level 3	10	Recommended
Elective	114035 Service Machines and Equipment on a commercial vessel	Level 3	15	Recommended
Elective	115175 Respond to and signal distress on a fishing vessel	Level 3	4	Recommended
Elective	113981 Arrange and complete lifts on site using lifting equipment	Level 4	15	Recommended
Elective	113996 Construct a fishing net for commercial fishing, while following a net plan	Level 4	12	Recommended
Fundamental	7456 Use mathematics to investigate and monitor the financial aspects of personal, business and national issues	Level 3	5	Reregistered
Fundamental	8968 Accommodate audience and context needs in oral communication	Level 3	5	Reregistered
Fundamental	8969 Interpret and use information from texts	Level 3	5	Reregistered
Fundamental	8970 Write texts for a range of communicative contexts	Level 3	5	Reregistered
Fundamental	8973 Use language and communication in occupational learning programmes	Level 3	5	Reregistered
Fundamental	9010 Demonstrate an understanding of the use of different number bases and measurement units and an awareness of error in the context of relevant calculations	Level 3	2	Reregistered
Fundamental	9012 Investigate life and work related problems using data and probabilities	Level 3	5	Reregistered
Fundamental	9013 Describe, apply, analyse and calculate shape and motion in 2-and 3-dimensional space in different contexts	Level 3	4	Reregistered

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 1

Contribute to effective human relationships on board a vessel

SAQA US ID	UNIT STANDARD TITLE		
114002	Contribute to effective human relationships on board a vessel		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	2	Level 2	Regular

SPECIFIC OUTCOME 1

Contribute to the effective human relationships onboard a vessel.

SPECIFIC OUTCOME 2

Observe standards of work and behaviour onboard a vessel.

SPECIFIC OUTCOME 3

Resolve conflicts.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 2

Identify current legislative and company procedures applicable to the Fishing Industry

SAQA US ID	UNIT STANDARD TITLE		
115072	Identify current legislative and company procedures applicable to the Fishing Industry		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	3	Level 2	Regular

SPECIFIC OUTCOME   1

Identify current legislative and regulatory requirements, and company specific operating procedures.

SPECIFIC OUTCOME   2

Identify current legislative requirements applicable to marine resources.

SPECIFIC OUTCOME   3

Identify and describe available fishing rights and application evaluation criteria.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 3

Identify current legislative and company procedures applicable to the maritime industry

SAQA US ID	UNIT STANDARD TITLE		
114025	Identify current legislative and company procedures applicable to the maritime industry		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	3	Level 2	Regular

SPECIFIC OUTCOME   1

Identify current legislative and regulatory requirements applicable to a vessel.

SPECIFIC OUTCOME   2

Identify company specific operating procedures applicable to a vessel.

SPECIFIC OUTCOME   3

Support preventative measures against stowaways and drug smuggling.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 4

Maintain the physical operating condition and appearance of the vessel

SAQA US ID	UNIT STANDARD TITLE		
113997	Maintain the physical operating condition and appearance of the vessel		
SGB NAME	ORGANISING FIELD ID		PROVIDER NAME
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	ORGANISING FIELD DESCRIPTION		SUBFIELD DESCRIPTION
Regular	Services		Transport, Operations and Logistics
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	3	Level 2	Regular

SPECIFIC OUTCOME   1

Prepare tools, materials and equipment.

SPECIFIC OUTCOME   2

Maintain the surface cleanliness of plant and work areas.

SPECIFIC OUTCOME   3

Carry out work to maintain and restore hull fabric and fittings.

SPECIFIC OUTCOME   4

Restore the work area to operational requirements.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 5

Operate and carry out basic service checks on small vessel marine propulsion systems

SAQA US ID	UNIT STANDARD TITLE		
114007	Operate and carry out basic service checks on small vessel marine propulsion systems		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	6	Level 2	Regular

SPECIFIC OUTCOME 1

Operate propulsion systems.

SPECIFIC OUTCOME 2

Carry out basic, routine servicing procedures on propulsion systems.

SPECIFIC OUTCOME 3

Follow safety and hazard control procedures.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 6

Verify the operational condition of safety equipment

SAQA US ID	UNIT STANDARD TITLE		
113991	Verify the operational condition of safety equipment		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	4	Level 2	Regular

SPECIFIC OUTCOME 1

Check and confirm functionality of safety equipment.

SPECIFIC OUTCOME 2

Isolate and seek replacement for non-operational and expired safety equipment.

SPECIFIC OUTCOME 3

Confirm availability of safety equipment.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 7

Adjust and position lines and long lines

SAQA US ID	UNIT STANDARD TITLE		
114010	Adjust and position lines and long lines		
SGB NAME		**ORGANISING FIELD ID**	**PROVIDER NAME**
SGB Transport and Logistics Operations		11	
UNIT STANDARD TYPE		**ORGANISING FIELD DESCRIPTION**	**SUBFIELD DESCRIPTION**
Regular		Services	Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	4	Level 3	Regular

SPECIFIC OUTCOME 1

Organise a work area to adjust the lines and long lines.

SPECIFIC OUTCOME 2

Adjust line and long line components to optimise the catch.

SPECIFIC OUTCOME 3

Position lines and long lines to optimise the catch.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 8

Adjust and position nets

SAQA US ID	UNIT STANDARD TITLE		
113990	Adjust and position nets		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	4	Level 3	Regular

SPECIFIC OUTCOME   1

Organise a work area to adjust the nets.

SPECIFIC OUTCOME   2

Adjust net components to optimise the catch.

SPECIFIC OUTCOME   3

Position nets to optimise the catch.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 9

Adjust and position trawls

SAQA US ID	UNIT STANDARD TITLE		
113984	Adjust and position trawls		
SGB NAME	**ORGANISING FIELD ID**	**PROVIDER NAME**	
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**	**SUBFIELD DESCRIPTION**	
Regular	Services	Transport, Operations and Logistics	
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	4	Level 3	Regular

SPECIFIC OUTCOME 1

Organise a work area to adjust the trawls.

SPECIFIC OUTCOME 2

Adjust trawl components to optimise the catch.

SPECIFIC OUTCOME 3

Position lines and long lines to optimise the catch.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 10

Describe and explain the danger associated with flammable cargoes

SAQA US ID	UNIT STANDARD TITLE		
114008	Describe and explain the danger associated with flammable cargoes		
SGB NAME		**ORGANISING FIELD ID**	**PROVIDER NAME**
SGB Transport and Logistics Operations		11	
UNIT STANDARD TYPE		**ORGANISING FIELD DESCRIPTION**	**SUBFIELD DESCRIPTION**
Regular		Services	Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	10	Level 3	Regular

SPECIFIC OUTCOME   1

Demonstrate knowledge of basic chemical concepts relevant to petrochemical processes.

SPECIFIC OUTCOME   2

Demonstrate knowledge of basic organic chemistry relevant to petrochemical processes.

SPECIFIC OUTCOME   3

Demonstrate knowledge of basic thermodynamics relevant to petrochemical processes and interpret.

SPECIFIC OUTCOME   4

Demonstrate knowledge of basic instrumentation relevant to petroleum product transfer and storage.

SPECIFIC OUTCOME   5

Identify and interpret industry specific symbols, signs, and terminology.

SPECIFIC OUTCOME   6

Identify and use personal protective equipment.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 11

Apply seamanship skills and techniques when operating a small vessel

SAQA US ID	UNIT STANDARD TITLE		
113999	Apply seamanship skills and techniques when operating a small vessel		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	6	Level 3	Regular

SPECIFIC OUTCOME   1

Maintain ropes, wire and chains on a small vessel.

SPECIFIC OUTCOME   2

Use ropes, wire and chains on a small vessel.

SPECIFIC OUTCOME   3

Operate winches and windlasses.

SPECIFIC OUTCOME   4

Tow and be towed.

SPECIFIC OUTCOME   5

Secure a small vessel for sea.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 12

Apply weather information when navigating a small vessel

SAQA US ID	UNIT STANDARD TITLE		
113983	Apply weather information when navigating a small vessel		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	6	Level 3	Regular

SPECIFIC OUTCOME   1

Obtain and decipher weather and oceanographic information.

SPECIFIC OUTCOME   2

Apply weather and oceanographic data to safe navigation.

SPECIFIC OUTCOME   3

Maintain records of weather and oceanographic information and forecasts.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:　　　　　　　　13

Assist with the operation of main and auxiliary machinery and associated control systems

SAQA US ID	UNIT STANDARD TITLE		
113989	Assist with the operation of main and auxiliary machinery and associated control systems		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	15	Level 3	Regular

SPECIFIC OUTCOME 1

Start up and shut down marine machinery.

SPECIFIC OUTCOME 2

Monitor the output of marine machinery.

SPECIFIC OUTCOME 3

Assist with bunkering operation.

SPECIFIC OUTCOME 4

Assist with pumping operations.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 14

Carry out maritime communications

SAQA US ID	UNIT STANDARD TITLE		
114009	Carry out maritime communications		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	3	Level 3	Regular

SPECIFIC OUTCOME   1

Receive and execute visual, verbal and written orders.

SPECIFIC OUTCOME   2

Demonstrate understanding of both visual and audible signals used in a marine environment.

SPECIFIC OUTCOME   3

Communicate with persons visiting and working on board the vessel.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:　　　　　　　　　　　　　15

Carry out rigging operations on a vessel

SAQA US ID	UNIT STANDARD TITLE		
113998	Carry out rigging operations on a vessel		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	8	Level 3	Regular

SPECIFIC OUTCOME　1

Carry out the rigging and stowing of the gangway.

SPECIFIC OUTCOME　2

Rig and un-rig overboard rope ladders.

SPECIFIC OUTCOME　3

Rig stages, bosuns chairs and scaffolding.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 16

Carry out safety, survival and emergency procedures

SAQA US ID	UNIT STANDARD TITLE		
114001	Carry out safety, survival and emergency procedures		
SGB NAME		**ORGANISING FIELD ID**	**PROVIDER NAME**
SGB Transport and Logistics Operations		11	
UNIT STANDARD TYPE		**ORGANISING FIELD DESCRIPTION**	**SUBFIELD DESCRIPTION**
Regular		Services	Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	9	Level 3	Regular

SPECIFIC OUTCOME 1

Demonstrate understanding of survival and emergency notices, procedures and sea survival equipment.

SPECIFIC OUTCOME 2

Assist in abandon ship procedures.

SPECIFIC OUTCOME 3

Assist in retrieving a person overboard.

SPECIFIC OUTCOME 4

Provide support in emergency and survival situations and operate emergency equipment.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 17

Carry out trawl net repair

SAQA US ID	UNIT STANDARD TITLE		
114034	Carry out trawl net repair		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	10	Level 3	Regular

SPECIFIC OUTCOME 1

Prepare netting material for repair.

SPECIFIC OUTCOME 2

Mend holes and tears using twine.

SPECIFIC OUTCOME 3

Mend large scale damage using netting material.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 18

Carry out watch keeping duties in the engine room at sea and in port

SAQA US ID	UNIT STANDARD TITLE		
114003	Carry out watch keeping duties in the engine room at sea and in port		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	15	Level 3	Regular

SPECIFIC OUTCOME 1

Relieve and handover a watch in an engine room in accordance with established procedures.

SPECIFIC OUTCOME 2

Keep a watch in the engine room.

SPECIFIC OUTCOME 3

Assist with a boiler watch.

SPECIFIC OUTCOME 4

Execute all signals used in the engine room.

SPECIFIC OUTCOME 5

Manage engine room spares and stores.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD:　　　19

Carry out watch keeping operations in port

SAQA US ID	UNIT STANDARD TITLE		
113987	Carry out watch keeping operations in port		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	10	Level 3	Regular

SPECIFIC OUTCOME　1

Assist with on-board cargo operations.

SPECIFIC OUTCOME　2

Carry out watch-keeping operations in port.

SPECIFIC OUTCOME　3

Assist in preparing a vessel for sea.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 20

Control and extinguish fire

SAQA US ID	UNIT STANDARD TITLE		
114011	Control and extinguish fire		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	4	Level 3	Regular

SPECIFIC OUTCOME   1

Select, wear, and operate protective clothing and life support equipment.

SPECIFIC OUTCOME   2

Identify fire hazards and report risk areas in the work area.

SPECIFIC OUTCOME   3

Extinguish and control fire.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

SAQA

UNIT STANDARD: 21

Demonstrate knowledge of environmental policies and legislation

SAQA US ID	UNIT STANDARD TITLE		
113986	Demonstrate knowledge of environmental policies and legislation		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	4	Level 3	Regular

SPECIFIC OUTCOME 1

Describe and report vessel operational hazards to the environment.

SPECIFIC OUTCOME 2

Respond to contain oil spill and/or pollution.

SPECIFIC OUTCOME 3

Implement pollution prevention measures during bunkering operations.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 22

Follow safe deck practices on a commercial vessel

SAQA US ID	UNIT STANDARD TITLE		
114006	Follow safe deck practices on a commercial vessel		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	10	Level 3	Regular

SPECIFIC OUTCOME   1

Describe and report vessel operational hazards to personnel.

SPECIFIC OUTCOME   2

Describe the International Collision Regulations.

SPECIFIC OUTCOME   3

Use safe working practices for general deck operation on commercial and fishing vessels.

SPECIFIC OUTCOME   4

Monitor tank levels for stability purposes.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 23

Follow safe engine room practices on a commercial vessel

SAQA US ID	UNIT STANDARD TITLE		
115068	Follow safe engine room practices on a commercial vessel		
SGB NAME		**ORGANISING FIELD ID**	**PROVIDER NAME**
SGB Transport and Logistics Operations		11	
UNIT STANDARD TYPE		**ORGANISING FIELD DESCRIPTION**	**SUBFIELD DESCRIPTION**
Regular		Services	Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	10	Level 3	Regular

SPECIFIC OUTCOME 1

Describe and report vessel operational hazards to personnel.

SPECIFIC OUTCOME 2

Use safe working practices for general engine room operation on a commercial vessel.

SPECIFIC OUTCOME 3

Monitor tank levels for stability purposes.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 24

Maintain, prepare, deploy and retrieve crayfish traps to land catch

SAQA US ID	UNIT STANDARD TITLE		
113993	Maintain, prepare, deploy and retrieve crayfish traps to land catch		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	6	Level 3	Regular

SPECIFIC OUTCOME 1

Maintain crayfish traps ready for deployment.

SPECIFIC OUTCOME 2

Deploy crayfish traps to ensure operating efficiency, minimum environmental impact.

SPECIFIC OUTCOME 3

Retrieve crayfish traps.

SPECIFIC OUTCOME 4

Land, contain and sort the catch.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 25

Maintain, prepare, deploy and retrieve fishing nets to land catch

SAQA US ID	UNIT STANDARD TITLE		
114005	Maintain, prepare, deploy and retrieve fishing nets to land catch		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	8	Level 3	Regular

SPECIFIC OUTCOME 1

Maintain fishing nets ready for deployment.

SPECIFIC OUTCOME 2

Deploy nets to ensure operating efficiency, minimum environmental impact and minimal interaction.

SPECIFIC OUTCOME 3

Retrieve nets.

SPECIFIC OUTCOME 4

Land, contain and sort the catch.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 26

Maintain, prepare, deploy and retrieve lines and long lines to land catch

SAQA US ID	UNIT STANDARD TITLE		
113988	Maintain, prepare, deploy and retrieve lines and long lines to land catch		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	6	Level 3	Regular

SPECIFIC OUTCOME 1

Maintain lines and long lines ready for deployment.

SPECIFIC OUTCOME 2

Deploy lines and long lines to ensure operating efficiency, minimum environmental impact.

SPECIFIC OUTCOME 3

Retrieve lines and long lines.

SPECIFIC OUTCOME 4

Land, contain and sort the catch.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 27

Maintain, prepare, deploy and retrieve trawls to land catch

SAQA US ID	UNIT STANDARD TITLE		
113985	Maintain, prepare, deploy and retrieve trawls to land catch		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	8	Level 3	Regular

SPECIFIC OUTCOME 1

Maintain trawls ready for deployment.

SPECIFIC OUTCOME 2

Deploy trawls to ensure operating efficiency, minimum environmental impact and minimal interaction.

SPECIFIC OUTCOME 3

Retrieve trawls.

SPECIFIC OUTCOME 4

Land, contain and sort the catch.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

SAQA

UNIT STANDARD: 28

Monitor the competence and performance of crew on board ship

SAQA US ID	*UNIT STANDARD TITLE*		
113980	Monitor the competence and performance of crew on board ship		
SGB NAME	*ORGANISING FIELD ID*		*PROVIDER NAME*
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	*ORGANISING FIELD DESCRIPTION*		*SUBFIELD DESCRIPTION*
Regular	Services		Transport, Operations and Logistics
ABET BAND	*CREDITS*	*NQF LEVEL*	*UNIT STANDARD TYPE*
Undefined	4	Level 3	Regular

SPECIFIC OUTCOME 1

Allocate tasks to junior ratings.

SPECIFIC OUTCOME 2

Motivate personnel and provide feedback to Senior Officers.

SPECIFIC OUTCOME 3

Assess the competence of junior ratings.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 29

Operate a vessel`s machinery, fittings and equipment

SAQA US ID	UNIT STANDARD TITLE		
113982	Operate a vessel`s machinery, fittings and equipment		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	10	Level 3	Regular

SPECIFIC OUTCOME 1

Use maintenance equipment.

SPECIFIC OUTCOME 2

Utilise operational equipment.

SPECIFIC OUTCOME 3

Use access equipment.

SPECIFIC OUTCOME 4

Contribute to anchoring procedures.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 30

Operate auxiliary equipment and systems

SAQA US ID	UNIT STANDARD TITLE		
113992	Operate auxiliary equipment and systems		
SGB NAME		**ORGANISING FIELD ID**	**PROVIDER NAME**
SGB Transport and Logistics Operations		11	
UNIT STANDARD TYPE		**ORGANISING FIELD DESCRIPTION**	**SUBFIELD DESCRIPTION**
Regular		Services	Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	10	Level 3	Regular

SPECIFIC OUTCOME 1

Start up and shut down auxiliary equipment and systems.

SPECIFIC OUTCOME 2

Monitor systems efficiencies.

SPECIFIC OUTCOME 3

Assist with the operation of refrigeration equipment.

SPECIFIC OUTCOME 4

Assist with the operation of electrical equipment and systems.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 31

Respond to and signal distress

SAQA US ID	UNIT STANDARD TITLE		
114004	Respond to and signal distress		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	3	Level 3	Regular

SPECIFIC OUTCOME   1

Describe the legal obligations on receiving a maritime distress signal.

SPECIFIC OUTCOME   2

Select and use signalling equipment under maritime distress conditions.

SPECIFIC OUTCOME   3

Use a marine radio in an emergency situation.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

SAQA

UNIT STANDARD: 32

Respond to and signal distress on a fishing vessel

SAQA US ID	UNIT STANDARD TITLE		
115175	Respond to and signal distress on a fishing vessel		
SGB NAME	ORGANISING FIELD ID		PROVIDER NAME
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	ORGANISING FIELD DESCRIPTION		SUBFIELD DESCRIPTION
Regular	Services		Transport, Operations and Logistics
ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	4	Level 3	Regular

SPECIFIC OUTCOME   1

Describe the legal obligations on receiving a maritime distress signal, and respond to a maritime.

SPECIFIC OUTCOME   2

Select and use signalling equipment under maritime distress conditions.

SPECIFIC OUTCOME   3

Demonstrate knowledge of radio communications regulations and procedures.

SPECIFIC OUTCOME   4

Use a marine radio in an emergency situation.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 　　33

Secure a vessel at mooring, anchor and berth

SAQA US ID	UNIT STANDARD TITLE		
114000	Secure a vessel at mooring, anchor and berth		
SGB NAME		ORGANISING FIELD ID	PROVIDER NAME
SGB Transport and Logistics Operations		11	
UNIT STANDARD TYPE		ORGANISING FIELD DESCRIPTION	SUBFIELD DESCRIPTION
Regular		Services	Transport, Operations and Logistics

ABET BAND	CREDITS	NQF LEVEL	UNIT STANDARD TYPE
Undefined	4	Level 3	Regular

SPECIFIC OUTCOME 1

Secure, let go, and adjust the ship's position alongside.

SPECIFIC OUTCOME 2

Monitor and check the ship's safety and integrity when moored.

SPECIFIC OUTCOME 3

Secure and let go the ship at anchor.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 34

Service Machines and Equipment on a commercial vessel

SAQA US ID	UNIT STANDARD TITLE		
114035	Service Machines and Equipment on a commercial vessel		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	15	Level 3	Regular

SPECIFIC OUTCOME 1

Prepare for maintenance and service activities.

SPECIFIC OUTCOME 2

Carry out routine and/or programmed safety and service checks on machines, systems and equipment.

SPECIFIC OUTCOME 3

Assist in the routine maintenance of main and ancillary machinery and associated systems.

SPECIFIC OUTCOME 4

Carry out basic servicing of extra low voltage systems, starter motors, alternators.

SPECIFIC OUTCOME 5

Follow safety and hazard control procedures.

SPECIFIC OUTCOME 6

Work as a member of the engineering team.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 35

Steer a commercial vessel and keep watch

SAQA US ID	UNIT STANDARD TITLE		
113979	Steer a commercial vessel and keep watch		
SGB NAME	**ORGANISING FIELD ID**	**PROVIDER NAME**	
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**	**SUBFIELD DESCRIPTION**	
Regular	Services	Transport, Operations and Logistics	
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	6	Level 3	Regular

SPECIFIC OUTCOME   1

Relieve and handover a watch at sea in accordance with established procedures.

SPECIFIC OUTCOME   2

Steer a vessel and comply with helm orders.

SPECIFIC OUTCOME   3

Assist with keeping a watch and the safe navigation of the vessel.

SPECIFIC OUTCOME   4

Assist in obtaining a vessels position.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

SAQA

UNIT STANDARD: 36

Transfer and secure cargo and stores

SAQA US ID	UNIT STANDARD TITLE		
113994	Transfer and secure cargo and stores		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	8	Level 3	Regular

SPECIFIC OUTCOME   1

Prepare equipment and ship for the loading and discharge of cargo stores.

SPECIFIC OUTCOME   2

Load and discharge cargo and stores.

SPECIFIC OUTCOME   3

Stow and secure cargo and stores.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 37

Work with fibre ropes, wire ropes and chains on a vessel

SAQA US ID	UNIT STANDARD TITLE		
113995	Work with fibre ropes, wire ropes and chains on a vessel		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	8	Level 3	Regular

SPECIFIC OUTCOME   1

Handle and stow fibre ropes, wire ropes and/or chains on sea-going vessels.

SPECIFIC OUTCOME   2

Describe the construction and storage of fibre ropes.

SPECIFIC OUTCOME   3

Select and use knots and lashings.

SPECIFIC OUTCOME   4

Splice ropes to purpose on a vessel.

SPECIFIC OUTCOME   5

Splice an eye in a wire rope under supervision.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 38

Arrange and complete lifts on site using lifting equipment

SAQA US ID	UNIT STANDARD TITLE		
113981	Arrange and complete lifts on site using lifting equipment		
SGB NAME	**ORGANISING FIELD ID**		**PROVIDER NAME**
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	**ORGANISING FIELD DESCRIPTION**		**SUBFIELD DESCRIPTION**
Regular	Services		Transport, Operations and Logistics
ABET BAND	**CREDITS**	**NQF LEVEL**	**UNIT STANDARD TYPE**
Undefined	15	Level 4	Regular

SPECIFIC OUTCOME 1

Complete arrangements for lifting and moving the load.

SPECIFIC OUTCOME 2

Prepare equipment and resources for moving and lifting.

SPECIFIC OUTCOME 3

Put the crane into out of service condition, and complete post-loading activities.

SOUTH AFRICAN QUALIFICATIONS AUTHORITY

UNIT STANDARD: 39

Construct a fishing net for commercial fishing, while following a net plan

SAQA US ID	UNIT STANDARD TITLE		
113996	Construct a fishing net for commercial fishing, while following a net plan		
SGB NAME	*ORGANISING FIELD ID*		*PROVIDER NAME*
SGB Transport and Logistics Operations	11		
UNIT STANDARD TYPE	*ORGANISING FIELD DESCRIPTION*		*SUBFIELD DESCRIPTION*
Regular	Services		Transport, Operations and Logistics
ABET BAND	*CREDITS*	*NQF LEVEL*	*UNIT STANDARD TYPE*
Undefined	12	Level 4	Regular

SPECIFIC OUTCOME   1

Plan the construction of a net.

SPECIFIC OUTCOME   2

Cut netting to produce net panels.

SPECIFIC OUTCOME   3

Assemble net panels, lines, and wires.