

No. 879

23 July 2004

**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 and Logistics Operations**

Registered by NSB 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.saga.org.za](http://www.saga.org.za). Copies may also be obtained from the Directorate of Standards Setting and Development at the SAQA offices, Hatfield Forum, 1067 Arcadia Street, Hatfield.

Comment on the unit standards should reach SAQA at the address *below and no later than 23 August 2004*. All correspondence should be marked **Standards Setting – SGB for Transport and Logistics Operations** and addressed to

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## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### QUALIFICATION:

#### National Certificate: Maritime Operations

| SAQA QUAL ID               | QUALIFICATION TITLE                       |                                     |
|----------------------------|---|-------------------------------------|
| 48535                      | National Certificate: Maritime Operations |                                     |
| SGB NAME                   | SGB Transport and Logistics Operations    |                                     |
| ABET BAND                  | PROVIDER NAME                             |                                     |
| Undefined                  |   |                                     |
| QUALIFICATION CODE         | QUAL TYPE                                 | SUBFIELD                            |
| SRV-3-National Certificate | National Certificate                      | Transport, Operations and Logistics |
| MINIMUM CREDITS            | NQF LEVEL                                 | QUALIFICATION CLASS                 |
| 130                        | Level 3                                   | Regular-Unit Stds Based             |
| SAQA DECISION NUMBER       | REGISTRATION START DATE                   | REGISTRATION END DATE               |
|                            |   |                                     |

#### PURPOSE OF THE QUALIFICATION

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

- > Able Seamen in ocean going Marine contexts
- > Able Seamen in coastal and ocean going fishing operations
- > Able Seamen on liquid cargo tankers
- > Oilers in engine rooms on marine and fishing vessels

The qualification will also be valuable for those who may have been practising within the field, but without formal recognition. The qualification is designed to be flexible and accessible so that recipients of this qualification know about and are able to conduct the essential operations associated with efficient and safe operation in at least one of the listed areas.

Recipients of this qualification are 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, recipients will be able 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

Practitioners 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 STCW and SAMS regulations and licensing requirements

Rationale for the qualification:

Maritime operations is a priority area within the South African context and is supported by legislation, national policies and strategies. In order to meet the requirements of the workplace it is important to be able to identify and recognise competent seaman at various levels. There is a critical need in the industry to identify and give recognition to people who are able to conduct the essential operations associated with efficient and safe onboard operations in at least one of surface Navigation and Engineering under normal

shipping conditions, or on board fishing vessels, tankers, or in port operations.

The majority of the candidates 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 balance 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**

As this qualification builds on the National Certificate in Transport (Level 1), and the National Certificate in Basic Maritime Operations (Level 2), it is assumed that candidates embarking on learning towards this qualification are already competent in the following areas:

- > Contribute to maintaining a safe watch.
- > Demonstrate knowledge of basic environmental regulations
- > Apply elementary first aid at sea
- > Understand orders and be understood in relation to shipboard duties.

In particular, Ordinary seamen are able to:

- > Steer the ship and comply with the helm orders (in English)
- > Demonstrate knowledge of collision prevention regulations (SAMSA regulations)
- > Assist with berthing, letting go and anchoring a vessel
- > Participate in survival craft operations at sea and survive at in the event of ship abandonment

Wipers at Level 2 are able to:

- > Select, use, and maintain portable engineering power tools
- > Carry out engine room watch routine duties.
- > Participate in operating emergency equipment and understand emergency procedures
- > Contribute to maintaining the correct boiler water level and boiler steam pressure
- > Survive at sea in the event of ship abandonment

Recognition of Prior Learning:

This qualification can be achieved wholly or in part through recognition of prior learning in terms of the defined exit level outcomes and/or individual unit standards.

Evidence can be presented in various ways, including international and/or previous local qualifications, products, reports, testimonials mentioning functions performed, work records, portfolios, videos of practice and performance records.

All such evidence will be judged in accordance with the general principles of assessment described above and the requirements for integrated assessment.

#### **QUALIFICATION RULES**

Rules of combination:

Fundamental

- > Communication

Candidates are required to achieve all 20 credits for Communications from the available credits.

- > Mathematical Literacy - Candidates are required to demonstrate achievement of the 16 credits for Mathematics unit standards within the context of commercial vessel operations.

Note: Mathematical Literacy is defined as the ability to apply basic mathematics within a variety of real life contexts.

Core:

- > Candidates must achieve all 63 CORE credits listed in Exit Level Outcomes

Elective:

- > Candidates must achieve at least 31 credits of their choice from any of the available ELECTIVE credits in Exit Level Outcomes. In order to achieve an Exit Level Outcome, candidates must achieve all of the credits for that ELO.

> Candidates who wish to achieve the whole qualification with a particular 'trade or licensing endorsement' must meet the rules of combination for each of the areas of specialisation which comprise an 'endorsement'

for the qualification.

The possibilities are:

1. National Certificate in Maritime Operation (Able Seaman) - Level 3

> Exit Level Outcome 3 recognises a number of seamanship skills essential to Able Seamen (AB)

> Exit Level Outcome 4 is useful to ABs who are required to supervise the activities of others

> Exit Level Outcome 7 recognises essential navigation and watch keeping competence.

2. National Certificate in Maritime Operation (Fishing) - Level 3

> Exit Level Outcomes 3, 4 and 7 recognise the AB skills required for general seamanship, supervision and navigation and watch keeping.

> The Elective component of Exit Level Outcome 6 recognises essential knowledge of legislation governing the Fishing Industry.

> Exit Level Outcomes 8, 9 and 10 allow for specialisation in different aspects of fishing operations.

3. National Certificate in Maritime Operation (Liquid Cargo) - Level 3

> Exit Level Outcomes 3, 4 and 7 recognise the AB skills required for general seamanship, supervision and navigation and watch keeping.

OR:

> Exit Level Outcome 11 recognises the skills required of an Oiler and covers essential engineering maintenance and repair functions and engine-room watch keeping responsibilities.

> Exit Level Outcome 12 recognises the particular knowledge and skill required of people working with liquid cargo.

4. National Certificate in Maritime Operation (Oiler) - Level 3

> Exit Level Outcome 11 recognises the skills required of an Oiler and covers essential engineering maintenance and repair functions and engine-room watch keeping responsibilities.

#### **EXIT LEVEL OUTCOMES**

Fundamental

1. Communicate in a variety of ways

2. Use mathematics in real life situations

Core

3. Demonstrate a range of seamanship skills

4. Work effectively as a crew member on a commercial vessel

5. Respond to emergencies at sea

6. Comply with maritime regulations and company procedures

Elective

7. Carry out navigation and watchkeeping duties on deck

8. Work in a trawling operation

9. Work in a line and long line fishing operation

10. Work in a crayfish operation

11. Carry out engine room duties on a commercial vessel

12. Work safely on a liquid cargo tanker

Critical cross-field outcomes:

This qualification addresses the following critical cross-field outcomes, as detailed in the unit standards

a) Identifying and solving problems in which responses indicate that responsible decisions using critical and creative thinking have been made.

[Exit outcome 2: Mathematics; Exit outcome 5: Emergencies; Exit outcome 7: Navigation; Exit outcome 11: Engineering; Exit outcome 8, 9, 10: Commercial fishing]

b) Working effectively with others as a member of a team, group, organisation or community.

[Exit outcome 3: Seamanship; Exit outcome 4: Teamwork; Exit outcome 5: Emergencies; Exit outcome 7: Navigation; Exit outcome 11: Engineering; Exit outcome 8, 9, 10: Commercial fishing; Exit outcome 12: Liquid cargoes;]

c) Organising and managing oneself and one's activities responsibly and effectively.

[Exit outcome 3: Seamanship; Exit outcome 4: Teamwork; Exit outcome 5: Emergencies; Exit outcome 6: Compliance; Exit outcome 7: Navigation; Exit outcome 11: Engineering; Exit outcome 8, 9, 10: Commercial fishing]

d) Collecting, analysing, organising and critically evaluating information.

[Exit outcome 1: Communications; Exit outcome 2: Mathematics; Exit outcome 5: Emergencies; Exit outcome 6: Compliance; Exit outcome 7: Navigation; Exit outcome 11: Engineering]

e) Communicating effectively using visual, mathematical and/or language skills in the modes of oral/written persuasion.

[Exit outcome 1: Communications; Exit outcome 2: Mathematics; Exit outcome 5: Emergencies; Exit outcome 6: Compliance; Exit outcome 7: Navigation; Exit outcome 11: Engineering]

f) Using science and technology effectively and critically, showing responsibility towards the environment and health of others.

[Exit outcome 5: Emergencies; Exit outcome 7: Navigation; Exit outcome 11: Engineering; Exit outcome 8, 9, 10: Commercial fishing; Exit outcome 12: Liquid cargoes; ]

g) Demonstrating and understanding of the world as a set of related systems by recognising that problem-solving contexts do not exist in isolation.

[Exit outcome 5: Emergencies; Exit outcome 7: Navigation; Exit outcome 11: Engineering; Exit outcome 8, 9, 10: Commercial fishing; Exit outcome 12: Liquid cargoes;]

Learning programmes directed towards this qualification will also contribute to the full personal development of each learner and the social and economic development of the society at large, by making individuals aware of the importance of:

- 1) Reflecting on and exploring a variety of strategies to learn more effectively.
- 2) Participating as responsible citizens in the life of local, national and global communities.
- 3) Being culturally and aesthetically sensitive across a range of social contexts.
- 4) Exploring education and career opportunities; and developing entrepreneurial opportunities.

#### **ASSOCIATED ASSESSMENT CRITERIA**

For award of the whole qualification, candidates must achieve the required number of credits as specified in the Rules of Combination as well as the criteria specified for integrated assessment.

Should candidates exit the qualification without completing the whole qualification, recognition may be given for each Exit Level Outcome achieved. For award of a particular Exit Level Outcome, candidates must achieve:

- > All the Core and Elective unit standards associated with the particular Exit Level Outcome as per the specifications contained within each unit standard; and
- > The criteria specified for integrated assessment.

Integrated assessment:

Assessment will take place according to the detailed specifications indicated in the unit standards associated with each exit level outcome.

Over and above the achievement of the specified unit standards, evidence of integration will be required as per the following broad criteria, all within the context of onboard activities.

Assessors should note that the evidence of integration (as below) could well be presented by candidates when being assessed against the 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 gain evidence of integration.

Candidates must demonstrate the ability to take part in operations in an integrative way. They must show that they are able to deal effectively with the different and "random" demands that form part of normal work operations. 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.

Criteria for integrative assessment of generic competence includes:

Exit Level Outcome 1: Communicate in a variety of ways

- > Oral communication is maintained and adapted as required to promote effective interaction in a work context.
- > Information is accessed from standing instructions, visual information and a range of other workplace texts

and responses where required are appropriate to the context.

> Written communication is clear and unambiguous and at an appropriate level for designated target audiences.

Exit level Outcome 2: Use mathematics in real life and education, training and development situations

> Mathematical functions are used correctly to solve routine workplace problems and tasks.

Exit level Outcome 3: Demonstrate a range of seamanship skills

> Knots, blocks and tackles, scaffolding, and staging activities are carried out in a manner consistent with best seamanship practices.

> The transfer, securing and stowing of stores, spares and cargo is consistent with best practice and safety codes.

> Machinery, fittings and equipment are operated in accordance with design and purpose and safe operating practices.

Exit level Outcome 4: Work effectively as a crew member on a commercial vessel

> All activities are carried out in a manner consistent with safety management practices on board and SAMSA regulations and codes.

> Interpersonal relations are managed so that effective teamwork is promoted and dysfunctional conflict minimised.

> Supervision of the work of others is established clear goals and parameters, interventions contribute to the development of individual competence and the effective functioning of the team.

Exit level Outcome 5: Respond to emergencies at sea

> The response to distress signals, fire and other emergencies at sea is in line with recognised safety practices and procedures.

Exit level Outcome 6: Comply with maritime regulations and company procedures

> Regulations relating to ports, health, dangerous goods, drugs and/or stowaways are described in terms of personal implications and responsibilities.

> Environmental policy is described in relation to onboard management of waste and specific maritime and/or fishing operations.

Exit level Outcome 7: Carry out navigation and watchkeeping duties on deck

> Steering and watch keeping duties are carried out in a manner consistent with standing instructions, SAMSA regulations and STCW codes of practice.

> The implications of weather for vessel operation, performance and safety are described, and activities are adapted to meet with specific weather conditions in line with recognised seamanship and safety practices and procedures.

Exit level Outcome 8: Work in a trawling operation

> Differences between deepwater and pelagic trawling are identified and accurately described in line with generally accepted industry practice.

> The maintenance, preparation, deployment and retrieval of nets is consistent with best practice for either pelagic or deepwater trawls.

> Trawling operations are consistent with MARPOL and with legislation for seafood harvesting.

> Nets are repaired in line with accepted best practice.

Exit level Outcome 9: Work in a line and long line fishing operation

> The maintenance, preparation, deployment and retrieval of nets is consistent with best practice for either line or long-line fishing operations.

> Lines are positioned for maximum effectiveness in line with accepted best practice.

Exit level Outcome 10: Work in a crayfish operation

> The maintenance, preparation, deployment and retrieval of crayfish traps is consistent with best practice.

Exit level Outcome 11: Carry out engine room duties on a commercial vessel

> Watchkeeping operations in the engine room comply with SAMSA and STCW regulations, and onboard policies and procedures.

> Engineering tools are used in accordance with their design and purpose, and in compliance with safe working practices.

> Knowledge of onboard maintenance practices is current, accurate and provides a sound foundation for the development of practical maintenance skills.

> The principles of inspection and maintenance are applied to the maintenance of main and auxiliary machinery.

> Practical engineering skills are applied consistently to the identification of irregularities, and the maintenance of a wide variety of mechanical and electrical systems.

Exit level Outcome 12: Work safely on a liquid cargo tanker vessel

> Knowledge of dangerous cargoes and required safety precautions and procedures is current, accurate and provides a sound foundation for the development of operating skills.

> Activities during loading, transport and discharge of hazardous liquid cargoes comply at all times with standing instructions, ship safety management systems, MARPOL and current legislation.

Assessment principles:

Assessment should be in accordance with the following general and specific principles:

> The initial assessment activities should focus on gathering evidence in terms of the main outcomes expressed in the titles of the unit standards to ensure assessment is integrated rather than fragmented.

Where assessment at title level is unmanageable, then the assessment can focus on each specific outcome, or groups of specific outcomes. Take special note of the need for integrated assessment.

> Evidence must be gathered across the entire range specified in each unit standard, as applicable.

Assessment activities should be as close to the real performance as possible, and where simulations or role-plays are used, there should be supporting evidence to prove that the candidate is able to perform in the real situation.

> All assessments should be conducted in accordance with the following universally accepted principles of assessment:

- Use appropriate, fair and manageable methods that are integrated into real work-related or learning situations;

- Judge evidence on the basis of its validity, currency, authenticity and sufficiency; and

- Ensure assessment processes are systematic, open and consistent.

> Demonstration of competence in this qualification meets SAMSA's licensing requirements. For license purposes, it is necessary to meet the ongoing requirements for current competence as laid down by SAMSA.

### **INTERNATIONAL COMPARABILITY**

This qualification and the component unit standards have been compared with similar qualifications from the following countries:

> New Zealand

> Australia.

In general this qualification and its component unit standards compare well with their international counterparts. The only major differences are in formatting and scope of coverage or focus. The qualification found to be the most comparable to this one is the Australian Certificate II or III in Transport and Distribution (Maritime Operations), or the New Zealand National Certificate in Maritime (Commercial In-shore Vessel) at Level 2.

### **ARTICULATION OPTIONS**

The qualification forms the second stage of specialisation following the Ordinary Seaman Certificate at Level 2, which in turn builds on the generic National Certificate in Transport at Level 1. It acts as a springboard from which people may progress to other qualifications in Maritime Operations within the Fishing industry or commercial shipping operations.

Learners can move horizontally by achieving the credits specified in each qualification, mainly related to specialisation areas particular to each sub-field.

Possibilities outside of Maritime include:

> The National Certificate: Freight Handling ID: 14574 where cargo loading, crane operation are common areas.

> In the engineering field, possibilities exist for National Certificate: Maintaining Vehicles ID: 24456 and

> Technical Certificate: Mechanical Fitting ID: 22933

Learners can move vertically by using this qualification as the basis for any of the qualifications indicated above level 3, although in most cases, some standards will be required horizontally before moving to another sub-field vertically. Possibilities for vertical articulation outside of Maritime include:

> Certificate: Road Transport: Freight ID: 3231.

> In the engineering field possibilities for articulation exit for the National Certificate: Motor Mechanic ID: 14056

**MODERATION OPTIONS**

1. Providers offering learning towards achievement of any of the unit standards that make up this qualification must be accredited through the TETA Maritime Chamber. Particular accreditation requirements related to this qualifications are:

- > Compliance with SAMSA codes and regulations (as specified in the unit standards
- > Compliance with STCW codes and regulations where applicable, and where specified.

2. Internal moderation of assessment must take place at the point of assessment with external moderation provided by the relevant ETQA in conjunction with SAMSA, according to the moderation guidelines and the agreed ETQA procedures.

**CRITERIA FOR THE REGISTRATION OF ASSESSORS**

Assessors registered with TETA and/or SAMSA must carry out the assessment of candidates for any of the unit standards that make up this qualification. The following criteria are specified for assessors concerning the technical aspects of the qualification:

- > Assessors must be registered SAMSA assessors; or
- > Trained assessors in possession of ASSMT01 and with the 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       | Draft - Prep for P Comment |
| Core     | 114002 Contribute to effective human relationships on board a vessel                           | Level 2 | 2       | Draft - Prep for P Comment |
| Core     | 114025 Identify current legislative and company procedures applicable to the maritime industry | Level 2 | 3       | Draft - Prep for P Comment |
| Core     | 113986 Demonstrate knowledge of environmental policies and legislation                         | Level 3 | 4       | Draft - Prep for P Comment |
| Core     | 113994 Transfer and secure cargo and stores  | Level 3 | 8       | Draft - Prep for P Comment |
| Core     | 113995 Work with fibre ropes, wire ropes and chains on a vessel                                | Level 3 | 8       | Draft - Prep for P Comment |
| Core     | 113998 Carry out rigging operations on a vessel  | Level 3 | 8       | Draft - Prep for P Comment |
| Core     | 114001 Carry out safety, survival and emergency procedures                                     | Level 3 | 9       | Draft - Prep for P Comment |
| Core     | 114006 Follow safe deck practices on a commercial vessel                                       | Level 3 | 10      | Draft - Prep for P Comment |
| Core     | 114011 Control and extinguish fire   | Level 3 | 4       | Draft - Prep for P Comment |
| Core     | 115068 Follow safe engine room practices on a commercial vessel                                | Level 3 | 10      | Draft - Prep for P Comment |
| Elective | 113991 Verify the operational condition of safety equipment                                    | Level 2 | 4       | Draft - Prep for P Comment |
| Elective | 114007 Operate and carry out basic service checks on small vessel marine propulsion systems    | Level 2 | 6       | Draft - Prep for P Comment |
| Elective | 115072 Identify current legislative and company procedures applicable to the Fishing Industry  | Level 2 | 3       | Draft - Prep for P Comment |
| Elective | 113979 Steer a commercial vessel and keep watch  | Level 3 | 6       | Draft - Prep for P Comment |
| Elective | 113980 Monitor the competence and performance of crew on board ship                            | Level 3 | 4       | Draft - Prep for P Comment |
| Elective | 113982 Operate a vessel's machinery, fittings and equipment                                    | Level 3 | 10      | Draft - Prep for P Comment |
| Elective | 113983 Apply weather information when navigating a small vessel                                | Level 3 | 6       | Draft - Prep for P Comment |
| Elective | 113984 Adjust and position trawls  | Level 3 | 4       | Draft - Prep for P Comment |



|             |  |         |    |                            |
|-------------|--|---------|----|----------------------------|
| Elective    | 113985 Maintain, prepare, deploy and retrieve trawls to land catch   | Level 3 | 8  | Draft - Prep for P Comment |
| Elective    | 113987 Carry out watch keeping operations in port  | Level 3 | 10 | Draft - Prep for P Comment |
| Elective    | 113988 Maintain, prepare, deploy and retrieve lines and long lines to land catch   | Level 3 | 6  | Draft - Prep for P Comment |
| Elective    | 113989 Assist with the operation of main and auxiliary machinery and associated control systems  | Level 3 | 15 | Draft - Prep for P Comment |
| Elective    | 113990 Adjust and position nets  | Level 3 | 4  | Draft - Prep for P Comment |
| Elective    | 113992 Operate auxiliary equipment and systems   | Level 3 | 10 | Draft - Prep for P Comment |
| Elective    | 113993 Maintain, prepare, deploy and retrieve crayfish traps to land catch   | Level 3 | 6  | Draft - Prep for P Comment |
| Elective    | 113999 Apply seamanship skills and techniques when operating a small vessel  | Level 3 | 6  | Draft - Prep for P Comment |
| Elective    | 114000 Secure a vessel at mooring, anchor and berth  | Level 3 | 4  | Draft - Prep for P Comment |
| Elective    | 114003 Carry out watch keeping duties in the engine room at sea and in port  | Level 3 | 15 | Draft - Prep for P Comment |
| Elective    | 114004 Respond to and signal distress  | Level 3 | 3  | Draft - Prep for P Comment |
| Elective    | 114005 Maintain, prepare, deploy and retrieve fishing nets to land catch   | Level 3 | 8  | Draft - Prep for P Comment |
| 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  | Draft - Prep for P Comment |
| Elective    | 114034 Carry out trawl net repair  | Level 3 | 10 | Draft - Prep for P Comment |
| Elective    | 114035 Service Machines and Equipment on a commercial vessel   | Level 3 | 15 | Draft - Prep for P Comment |
| Elective    | 115175 Respond to and signal distress on a fishing vessel  | Level 3 | 4  | Draft - Prep for P Comment |
| Elective    | 113981 Arrange and complete lifts on site using lifting equipment  | Level 4 | 15 | Draft - Prep for P Comment |
| Elective    | 113996 Construct a fishing net for commercial fishing, while following a net plan  | Level 4 | 12 | Draft - Prep for P Comment |
| Fundamental | 7456 Use mathematics to investigate and monitor the financial aspects of personal, business and national issues  | Level 3 | 2  | Registered                 |
| Fundamental | 8968 Accommodate audience and context needs in oral communication  | Level 3 | 5  | Registered                 |
| Fundamental | 8969 Interpret and use information from texts  | Level 3 | 5  | Registered                 |
| Fundamental | 8970 Write texts for a range of communicative contexts   | Level 3 | 5  | Registered                 |
| Fundamental | 8973 Use language and communication in occupational learning programmes  | Level 3 | 5  | Registered                 |
| 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  | Registered                 |
| Fundamental | 9012 Investigate life and work related problems using data and probabilities   | Level 3 | 5  | Registered                 |
| Fundamental | 9013 Describe, apply, analyse and calculate shape and motion in 2-and 3-dimensional space in different contexts  | Level 3 | 4  | Registered                 |
| Fundamental | 114009 Carry out maritime communications   | Level 3 | 3  | Draft - Prep for P Comment |



## 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                               |   | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |   | Undefined                           |               |
| FIELD DESCRIPTION                      |   | SUBFIELD DESCRIPTION                |               |
| Services                               |   | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE  | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular   | Level 2                             | 2             |

**Specific Outcomes:****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                               |  | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |  | Undefined                           |               |
| FIELD DESCRIPTION                      |  | SUBFIELD DESCRIPTION                |               |
| Services                               |  | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE   | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular  | Level 2                             | 3             |

**Specific Outcomes:****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                               |   | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |   | Undefined                           |               |
| FIELD DESCRIPTION                      |   | SUBFIELD DESCRIPTION                |               |
| Services                               |   | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE  | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular   | Level 2                             | 3             |

**Specific Outcomes:****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                               |  | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |  | Undefined                           |               |
| FIELD DESCRIPTION                      |  | SUBFIELD DESCRIPTION                |               |
| Services                               |  | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE   | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular  | Level 2                             | 3             |

**Specific Outcomes:****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.



Established in terms of Act 58 of 1995

## 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                               |  | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |  | Undefined                           |               |
| FIELD DESCRIPTION                      |  | SUBFIELD DESCRIPTION                |               |
| Services                               |  | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE   | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular  | Level 2                             | 6             |

### Specific Outcomes:

#### **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                               |  | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |  | Undefined                           |               |
| FIELD DESCRIPTION                      |  | SUBFIELD DESCRIPTION                |               |
| Services                               |  | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE                                   | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular  | Level 2                             | 4             |

**Specific Outcomes:****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                               |  | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |  | Undefined                           |               |
| FIELD DESCRIPTION                      |  | SUBFIELD DESCRIPTION                |               |
| Services                               |  | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE                       | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular                                  | Level 3                             | 4             |

**Specific Outcomes:****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                               |                    | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |                    | Undefined                           |               |
| FIELD DESCRIPTION                      |                    | SUBFIELD DESCRIPTION                |               |
| Services                               |                    | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular            | Level 3                             | 4             |

**Specific Outcomes:****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                               |                            | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |                            | Undefined                           |               |
| FIELD DESCRIPTION                      |                            | SUBFIELD DESCRIPTION                |               |
| Services                               |                            | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE         | NQF LEVEL                           | CREDITS       |
| SRV-TOL 0-SGB T&LO                     | Regular                    | Level 3                             | 4             |

**Specific Outcomes:****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

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                               |  | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |  | Undefined                           |               |
| FIELD DESCRIPTION                      |  | SUBFIELD DESCRIPTION                |               |
| Services                               |  | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE   | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular  | Level 3                             | 6             |

**Specific Outcomes:****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:

11

## 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                               |  | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |  | Undefined                           |               |
| FIELD DESCRIPTION                      |  | SUBFIELD DESCRIPTION                |               |
| Services                               |  | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE                                       | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular  | Level 3                             | 6             |

**Specific Outcomes:****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:

12

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                               |  | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |  | Undefined                           |               |
| FIELD DESCRIPTION                      |  | SUBFIELD DESCRIPTION                |               |
| Services                               |  | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE   | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular  | Level 3                             | 15            |

**Specific Outcomes:****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:

13

## Carry out maritime communications

| SAQA US ID                             | UNIT STANDARD TITLE               |                                     |               |
|--|-----------------------------------|-------------------------------------|---------------|
| 114009                                 | Carry out maritime communications |                                     |               |
| SGB NAME                               |                                   | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |                                   | Undefined                           |               |
| FIELD DESCRIPTION                      |                                   | SUBFIELD DESCRIPTION                |               |
| Services                               |                                   | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE                | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular                           | Level 3                             | 3             |

**Specific Outcomes:****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 ship.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

## UNIT STANDARD:

14

Carry out rigging operations on a vessel

|  |  |                                     |                      |
|--|--|-------------------------------------|----------------------|
| <b>SAQA US ID</b>                      | <b>UNIT STANDARD TITLE</b>               |                                     |                      |
| 113998                                 | Carry out rigging operations on a vessel |                                     |                      |
| <b>SGB NAME</b>                        |  | <b>ABET BAND</b>                    | <b>PROVIDER NAME</b> |
| SGB Transport and Logistics Operations |  | Undefined                           |                      |
| <b>FIELD DESCRIPTION</b>               |  | <b>SUBFIELD DESCRIPTION</b>         |                      |
| Services                               |  | Transport, Operations and Logistics |                      |
| <b>UNIT STANDARD CODE</b>              | <b>UNIT STANDARD TYPE</b>                | <b>NQF LEVEL</b>                    | <b>CREDITS</b>       |
| SRV-TOL-0-SGB T&LO                     | Regular                                  | Level 3                             | 8                    |

**Specific Outcomes:****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:

15

## Carry out safety, survival and emergency procedures

| SAQA US ID                             | UNIT STANDARD TITLE                                 |                                     |               |
|--|---|-------------------------------------|---------------|
| 114001                                 | Carry out safety, survival and emergency procedures |                                     |               |
| SGB NAME                               |   | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |   | Undefined                           |               |
| FIELD DESCRIPTION                      |   | SUBFIELD DESCRIPTION                |               |
| Services                               |   | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE                                  | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular   | Level 3                             | 9             |

**Specific Outcomes:****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:

16

## Carry out trawl net repair

| SAQA US ID                             | UNIT STANDARD TITLE        |                                     |               |
|--|----------------------------|-------------------------------------|---------------|
| 114034                                 | Carry out trawl net repair |                                     |               |
| SGB NAME                               |                            | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |                            | Undefined                           |               |
| FIELD DESCRIPTION                      |                            | SUBFIELD DESCRIPTION                |               |
| Services                               |                            | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE         | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular                    | Level 3                             | 10            |

**Specific Outcomes:****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:

17

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                               |  | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |  | Undefined                           |               |
| FIELD DESCRIPTION                      |  | SUBFIELD DESCRIPTION                |               |
| Services                               |  | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE   | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular  | Level 3                             | 15            |

**Specific Outcomes:****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:

18

Carry out watch keeping operations in port

| SAQA US ID                             | UNIT STANDARD TITLE                        |                                     |               |
|--|--|-------------------------------------|---------------|
| 113987                                 | Carry out watch keeping operations in port |                                     |               |
| SGB NAME                               |  | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |  | Undefined                           |               |
| FIELD DESCRIPTION                      |  | SUBFIELD DESCRIPTION                |               |
| Services                               |  | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE                         | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular                                    | Level 3                             | 10            |

**Specific Outcomes:****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:

19

## Control and extinguish fire

|  |                             |                                     |                      |
|--|-----------------------------|-------------------------------------|----------------------|
| <b>SAQA US ID</b>                      | <b>UNIT STANDARD TITLE</b>  |                                     |                      |
| 114011                                 | Control and extinguish fire |                                     |                      |
| <b>SGB NAME</b>                        |                             | <b>ABET BAND</b>                    | <b>PROVIDER NAME</b> |
| SGB Transport and Logistics Operations |                             | Undefined                           |                      |
| <b>FIELD DESCRIPTION</b>               |                             | <b>SUBFIELD DESCRIPTION</b>         |                      |
| Services                               |                             | Transport, Operations and Logistics |                      |
| <b>UNIT STANDARD CODE</b>              | <b>UNIT STANDARD TYPE</b>   | <b>NQF LEVEL</b>                    | <b>CREDITS</b>       |
| SRV-TOL-0-SGB T&LO                     | Regular                     | Level 3                             | 4                    |

**Specific Outcomes:****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

## UNIT STANDARD:

20

Demonstrate knowledge of environmental policies and legislation

| SAQA US ID                             | UNIT STANDARD TITLE   |                                     |         |
|--|---|-------------------------------------|---------|
| 113986                                 | Demonstrate knowledge of environmental policies and legislation |                                     |         |
| SGB NAME                               | ABET BAND   | PROVIDER NAME                       |         |
| SGB Transport and Logistics Operations | Undefined   |                                     |         |
| FIELD DESCRIPTION                      |   | SUBFIELD DESCRIPTION                |         |
| Services                               |   | Transport, Operations and Logistics |         |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE  | NQF LEVEL                           | CREDITS |
| SRV-TOL-0-SGB T&LO                     | Regular   | Level 3                             | 4       |

**Specific Outcomes:****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:

21

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                               |   | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |   | Undefined                           |               |
| FIELD DESCRIPTION                      |   | SUBFIELD DESCRIPTION                |               |
| Services                               |   | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE                                | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular   | Level 3                             | 10            |

**Specific Outcomes:****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:

22

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                               |  | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |  | Undefined                           |               |
| FIELD DESCRIPTION                      |  | SUBFIELD DESCRIPTION                |               |
| Services                               |  | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE                                       | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular  | Level 3                             | 10            |

**Specific Outcomes:****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:

23

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                               |   | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |   | Undefined                           |               |
| FIELD DESCRIPTION                      |   | SUBFIELD DESCRIPTION                |               |
| Services                               |   | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE  | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular   | Level 3                             | 6             |

**Specific Outcomes:****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:

24

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                               |   | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |   | Undefined                           |               |
| FIELD DESCRIPTION                      |   | SUBFIELD DESCRIPTION                |               |
| Services                               |   | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE  | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular   | Level 3                             | 8             |

**Specific Outcomes:****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:

25

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                               |   | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |   | Undefined                           |               |
| FIELD DESCRIPTION                      |   | SUBFIELD DESCRIPTION                |               |
| Services                               |   | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE  | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular   | Level 3                             | 6             |

**Specific Outcomes:****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:

26

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                               |                    | ABET BAND   | PROVIDER NAME |
| SGB Transport and Logistics Operations |                    | Undefined   |               |
| FIELD DESCRIPTION                      |                    | SUBFIELD DESCRIPTION  |               |
| Services                               |                    | Transport, Operations and Logistics                         |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE | NQF LEVEL   | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular            | Level 3   | 8             |

**Specific Outcomes:****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

## UNIT STANDARD:

27

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                               |  | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |  | Undefined                           |               |
| FIELD DESCRIPTION                      |  | SUBFIELD DESCRIPTION                |               |
| Services                               |  | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE   | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular  | Level 3                             | 4             |

**Specific Outcomes:****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:

28

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                               |  | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |  | Undefined                           |               |
| FIELD DESCRIPTION                      |  | SUBFIELD DESCRIPTION                |               |
| Services                               |  | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE                                   | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular  | Level 3                             | 10            |

**Specific Outcomes:****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:

29

## Operate auxiliary equipment and systems

| SAQA US ID                             | UNIT STANDARD TITLE                     |                                     |               |
|--|---|-------------------------------------|---------------|
| 113992                                 | Operate auxiliary equipment and systems |                                     |               |
| SGB NAME                               |   | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |   | Undefined                           |               |
| FIELD DESCRIPTION                      |   | SUBFIELD DESCRIPTION                |               |
| Services                               |   | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE                      | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular                                 | Level 3                             | 10            |

**Specific Outcomes:****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:

30

## Respond to and signal distress

| SAQA US ID                             | UNIT STANDARD TITLE            |                                     |               |
|--|--------------------------------|-------------------------------------|---------------|
| 114004                                 | Respond to and signal distress |                                     |               |
| SGB NAME                               |                                | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |                                | Undefined                           |               |
| FIELD DESCRIPTION                      |                                | SUBFIELD DESCRIPTION                |               |
| Services                               |                                | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE             | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular                        | Level 3                             | 3             |

**Specific Outcomes:****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

## UNIT STANDARD:

31

## 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                               |  | ABET BAND  | PROVIDER NAME |         |
| SGB Transport and Logistics Operations |  | Undefined  |               |         |
| FIELD DESCRIPTION                      |  | SUBFIELD DESCRIPTION                               |               |         |
| Services                               |  | Transport, Operations and Logistics                |               |         |
| UNIT STANDARD CODE                     |  | UNIT STANDARD TYPE                                 | NQF LEVEL     | CREDITS |
| SRV-TOL-0-SGB T&LO                     |  | Regular  | Level 3       | 4       |

**Specific Outcomes:****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:

32

## 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                               |  | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |  | Undefined                           |               |
| FIELD DESCRIPTION                      |  | SUBFIELD DESCRIPTION                |               |
| Services                               |  | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE                           | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular                                      | Level 3                             | 4             |

**Specific Outcomes:****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:

33

## 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                               |   | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |   | Undefined                           |               |
| FIELD DESCRIPTION                      |   | SUBFIELD DESCRIPTION                |               |
| Services                               |   | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE                                    | NQF LEVEL                           | CREDITS       |
| SRV-TUL-0-SGB T&LO                     | Regular   | Level 3                             | 15            |

**Specific Outcomes:****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:

34

Steer a commercial vessel and keep watch

|  |  |                                     |               |
|--|--|-------------------------------------|---------------|
| SAQA US ID                             | UNIT STANDARD TITLE                      |                                     |               |
| 113979                                 | Steer a commercial vessel and keep watch |                                     |               |
| SGB NAME                               |  | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |  | Undefined                           |               |
| FIELD DESCRIPTION                      |  | SUBFIELD DESCRIPTION                |               |
| Services                               |  | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE                       | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular                                  | Level 3                             | 6             |

**Specific Outcomes:****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

## UNIT STANDARD:

35

## Transfer and secure cargo and stores

| SAQA US ID                             | UNIT STANDARD TITLE                  |                                     |               |
|--|--------------------------------------|-------------------------------------|---------------|
| 113994                                 | Transfer and secure cargo and stores |                                     |               |
| SGB NAME                               |                                      | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |                                      | Undefined                           |               |
| FIELD DESCRIPTION                      |                                      | SUBFIELD DESCRIPTION                |               |
| Services                               |                                      | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE                   | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular                              | Level 3                             | 8             |

**Specific Outcomes:****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:

36

## 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                               |                    | ABET BAND  | PROVIDER NAME |
| SGB Transport and Logistics Operations |                    | Undefined  |               |
| FIELD DESCRIPTION                      |                    | SUBFIELD DESCRIPTION                                     |               |
| Services                               |                    | Transport, Operations and Logistics                      |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE | NQF LEVEL  | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular            | Level 3  | 8             |

**Specific Outcomes:****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:

37

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                               |  | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |  | Undefined                           |               |
| FIELD DESCRIPTION                      |  | SUBFIELD DESCRIPTION                |               |
| Services                               |  | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE   | NOF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular  | Level 4                             | 15            |

**Specific Outcomes:****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:

38

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                               |  | ABET BAND                           | PROVIDER NAME |
| SGB Transport and Logistics Operations |  | Undefined                           |               |
| FIELD DESCRIPTION                      |  | SUBFIELD DESCRIPTION                |               |
| Services                               |  | Transport, Operations and Logistics |               |
| UNIT STANDARD CODE                     | UNIT STANDARD TYPE   | NQF LEVEL                           | CREDITS       |
| SRV-TOL-0-SGB T&LO                     | Regular  | Level 4                             | 12            |

**Specific Outcomes:****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.