

No. 1400

29 December 2008

**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

Maritime Defence

registered by Organising Field 08: Law, Military Science and Security, 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 full 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, SAQA House, 1067 Arcadia Street, Hatfield, Pretoria.

Comment on the Qualification and Unit Standards should reach SAQA at the address below and **no later than 29 January 2009**. All correspondence should be marked **Standards Setting – SGB for Maritime Defence** and addressed to

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D. MPHUTHING**ACTING DIRECTOR: STANDARDS SETTING AND DEVELOPMENT**



SOUTH AFRICAN QUALIFICATIONS AUTHORITY

QUALIFICATION:**National Certificate: Vessel Safety Practices**

SAQA QUAL ID		QUALIFICATION TITLE	
64929		National Certificate: Vessel Safety Practices	
ORIGINATOR		PROVIDER	
SGB Maritime Defence			
QUALIFICATION TYPE	FIELD	SUBFIELD	
National Certificate	8 - Law, Military Science and Security	Sovereignty of the State	
ABET BAND	MINIMUM CREDITS	NQF LEVEL	QUAL CLASS
Undefined	139	Level 5	Regular-Unit Stds Based

This qualification does not replace any other qualification and is not replaced by another qualification.

PURPOSE AND RATIONALE OF THE QUALIFICATION**Purpose:**

Vessel Safety Officers, also known in the Merchant Navy as Deck Officers of the Watch, the Fishing Industry as vessel Skippers and in the South African Navy as Bridge Watchkeepers, are responsible for internal and external ship communication, the maintenance of a safe bridge watch, the navigation of the vessel and the execution of specific evolutions during a bridge watch.

This Qualification will equip learners to fulfil these responsibilities by giving them holistic training in the procedural, structural, navigational and mechanical components and competencies of the bridge and contextualised understanding of how these various components function together to optimise the performance and safety of the ship and its crew.

Recipients of this qualification will be able to:

- > Communicate in a maritime environment.
- > Maintain a safe bridge watch.
- > Navigate the vessel.
- > Conduct specific evolutions during a bridge watch.

Rationale:

This Qualification has been purpose-built for the Maritime Sector and meets the needs of the sector by providing training standards against which junior maritime officers can be trained. This Qualification meets the needs of society by providing competent maritime officers who are able to apply the complex knowledge and skills required to manage the bridge of a ship, as Vessel Safety Officers, within a safety conscious and highly regulated sector. Learners achieving this Qualification could be recognised for licensing purposes by the various maritime sub-sectors, namely the South African Navy, the Merchant Navy and the Fishing Industry.

This Qualification contributes to an integrated National Qualifications Framework; provides for access, mobility and progression within the maritime sector; enhances the quality of training

within the maritime industry, allows for the redress of past and contributes to the development of the learner as maritime officers within the Maritime Sector.

The majority of the learners attempting this qualification are likely, in the case of the Merchant Navy or the Fishing Industry, to be cadets who are working their way up the ranks or, in the case of the South African Navy, candidate officers or officers on officer training opportunities. This Qualification will allow learners access to learning pathways within the Merchant Navy, the Fishing Industry and the South African Navy.

RECOGNIZE PREVIOUS LEARNING?

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LEARNING ASSUMED IN PLACE

It is assumed that the Merchant Navy and SA Navy learner has the following knowledge and skills:

- > Communication at NQF Level 4.
- > Mathematics at NQF Level 4.

It is assumed that the Fishing Industry learner has the following knowledge and skills:

- > Communication at NQF Level 4.
- > Mathematical Literacy at NQF Level 4.

Recognition of Prior Learning:

This Qualification makes the Recognition of Prior Learning possible, if the learner is able to demonstrate competence in the knowledge, skills, values and attitudes implicit in this Marketing Qualification. Recognition of Prior Learning will be done by means of an Integrated Assessment as mentioned in the previous paragraph.

This Recognition of Prior Learning may allow:

- > For accelerated access to further learning.
- > Gaining of credits towards a unit standard.
- > For full or partial recognition of the Qualification.

All recognition of Prior Learning is subject to quality assurance by the relevant accredited Education, Training, Quality, and Assurance Body and is conducted by a registered workplace assessor. Because the standards are only core and fundamental, these standards may have been acquired in a range of economic sectors and these will be recognized as appropriate.

Access to the Qualification:

There is an open access to this qualification for learners:

- > Who have successfully completed a National Senior Certificate.
- > Who have successfully completed the FETC: Harbour Watchkeeping.
- > Who meet the psychological and physical requirements of the respective Maritime Sub-sectors.

QUALIFICATION RULES

The Qualification consists of a Fundamental, a Core and an Elective Component.

To be awarded the Qualification learners are required to obtain a minimum of 139 credits as detailed below.

Fundamental Component:

The Fundamental Component consists of Unit Standards to the value of 15 credits all of which are compulsory.

Core Component:

The Core Component consists of Unit Standards to the value of 80 credits all of which are compulsory.

Elective Component:

The Elective Component consists of three specialisations, each with its own set of Unit Standards. Learners are to choose a specialisation area and complete all the Unit Standards in that specialisation. The specialisation areas are:

South African Navy Ship Bridge Watchkeeping (44 Credits):

- > ID 261037: "Execute emergency drills during a bridge watch on a naval vessel", NQF Level 4, 7 Credits.
- > ID 261007: "Maintain vessel safety under operational conditions", NQF Level 5, 6 Credits.
- > ID 261080: "Prepare for and carry out fleet work exercises", NQF Level 5, 7 Credits.
- > ID 261077: "Maintain the stability of the ship", NQF Level 5, 5 Credits.
- > ID 261014: "Apply meteorological concepts to shipboard operations", NQF Level 5, 6 Credits.
- > ID 261000: "Demonstrate knowledge of and compliance with pollution prevention requirements", NQF Level 4, 3 Credits.
- > ID 261001: "Maintain the watertight integrity of the ship", NQF Level 5, 8 Credits.
- > ID 261005: "Prepare and execute bridge procedures for helicopter operations", NQF Level 5, 2 Credits.

South African Navy Submarine Bridge Watchkeeping. This specialisation has still to be developed.

Maritime Bridge Watchkeeping (Merchant Navy and Fishing Vessels). This specialisation has still to be developed.

EXIT LEVEL OUTCOMES

1. Communicate in a maritime environment.
2. Maintain a safe bridge watch.
3. Navigate the vessel.
4. Conduct specific evolutions during a bridge watch.

Critical Cross-Field Outcomes:

This qualification promotes, in particular, the following Critical Cross-Field Outcomes:

Identifying and solving problems in which responses display that responsible decisions using critical and creative thinking have been made when:

- > Maintaining a safe bridge watch.
- > Navigating the vessel.

- > Conducting specific evolutions during a bridge watch.

Working effectively with others as a member of a team, group, organisation, and community during:

- > The maintenance of a safe bridge watch.
- > The navigation of the vessel.
- > The conducting of specific evolutions during a bridge watch.

Organising and managing oneself and one's activities responsibly and effectively when:

- > Maintaining a safe bridge watch.
- > Navigating the vessel.
- > Conducting specific evolutions during a bridge watch.

Communicate effectively using visual, mathematical and/or language in the modes of oral and/or written persuasion when:

- > Communicating in a maritime environment.
- > Maintaining a safe bridge watch.
- > Navigating the vessel.
- > Conducting specific evolutions during a bridge watch.

Using science and technology effectively and critically, showing responsibility towards the environment and health of others when:

- > Communicating in a maritime environment.
- > Maintaining a safe bridge watch.
- > Navigating the vessel.

Demonstrating an understanding of the world as a set of related systems by recognising that problem-solving contexts do not exist in isolation when:

- > Communicating in a maritime environment.
- > Maintaining a safe bridge watch.
- > Navigating the vessel.
- > Conducting specific evolutions during a bridge watch.

ASSOCIATED ASSESSMENT CRITERIA

Associated Assessment Criteria for Exit Level Outcome 1:

1.1 Visual and verbal communication are conducted according to national and international maritime accepted codes and practices.

1.2 The appropriate technology is used to establish contact and transfer information.

Associated Assessment Criteria for Exit Level Outcome 2:

2.1 Bridge watch duties are executed in compliance with standard operating procedures for the maintenance of a safe watch.

2.2 Emergencies are handled according to the level of authority and standard operating procedures.

2.3 Bridge personnel are supervised in the execution and accomplishment of their tasks.

2.4 The safety, security, stability and integrity of the vessel is maintained throughout the watch in accordance with standard operating procedures.

2.5 Waste disposal is monitored for compliance with pollution prevention requirements.