External Assessment Specifications Document				
Curriculum Code	**Qualification Title**		**NQF Level**	
735101002	National Occupational Certificate: Deck Hand (Able Seaman) (Able Seafarer Engine)		3	
Assessment Quality Partner	**Name**	**E-mail**	**Phone**	**Logo**
	South African Maritime Safety Association	Azwimmbavhi Mulaudzi <amulaudzi@samsa.org.za>	+27 (0) 12 366 2600	

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DQP Representative Signature **Date**

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AQP Representative Signature **Date**

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1 ASSESSMENT STRATEGY

1.1 Assessment Model

The external assessment will be conducted through a combination of a written assessment and practical task at a registered trade test centre. The written examination will be concluded at the registered assessment centre and marked by registered assessors. Practical tasks will also be assessed by registered assessors. The combination of the written and practical assessment will be conducted over a period of one working day.

During both the theoretical and practical assessments, the learner must demonstrate knowledge and understanding of performing marine engineering watchkeeping duties, assisting with bunkering and liquid transfers, contributing to the operations of the ship and care for persons on board, following safe electrical, electronic and control engineering processes, providing maintenance and repair on board ship and carrying out security duties and contingency plans at a support level.

1.2 Qualification Purpose

The purpose of this qualification is to prepare a learner to operate as an Able Seafarer Engine

The Able Seafarer Engine performs navigational, operational support and maintenance tasks at a support level on board a vessel

A qualified learner will be able to:

- Assist with marine engineering watchkeeping duties at support level (Level 3)
- Assist with bunkering and liquid transfers at the support level (Level 3)
- Contribute to the operations of the ship and care for persons on board at support level (Level 3)
- Follow safe electrical electronic and control engineering processes at the support level (Level 3)
- Provide maintenance and repair on board ship at support level (Level 3)
- Carry out designated security duties and contingency plans at support level (Level 3)

1.3 Qualification Outcomes

1. Marine engineering watchkeeping assistance provided at support level
2. Bunkering and internal liquid transfers handled at the support level

3. Shipboard operations assistance provided and care for persons on board at support level
4. Safe electrical electronic and control engineering duties are performed at the support level
5. Maintenance and repairs provided at the support level
6. Designated security duties and contingency plans are carried out at the support level

1.4 Assessment Standards

1.4.1 Assessment Standards for the Qualification

Integrated Assessment Focus Area 1

IAFA01 The frequency and extent of monitoring of engineering equipment and systems conforms to manufacturers' recommendations and accepted principles and procedures including basic principles to be observed in keeping an engineering watch (25%)

Associated Assessment Criteria

IAFA0101 Assistance is provided with the safe operation of the ship's equipment and machinery

IAFA0102 A safe engine room watch keeping handover / shift change is conducted

IAFA0103 Engine room orders are responded to in order to ensure consistent operating parameters

IAFA0104 All activities are recorded

Integrated Assessment Focus Area 2

IAFA02 Assist with the transfer between a ship and a barge or other ship; or between the shore and a barge or ship, including all activities preparatory and incidental to the transfer (20%)

Associated Assessment Criteria

IAFA0201 Support is provided to fuelling and oil transfer operations

IAFA0202 Assistance is given with ballast and bilge operations

Integrated Assessment Focus Area 3

IAFA03 Operate on-board equipment to support the operation of the vessel and communicate effectively with crew and passengers using a variety of methods for routine shipboard duties and for emergencies (20%)

Associated Assessment Criteria

IAFA0301 Different types of lifting equipment are identified and used

IAFA0302 Occupational health and safety precautions are applied

IAFA0303 Contributions are made to the prevention of pollution of the maritime environment

IAFA0304 Boilers are monitored and correct water levels and steam pressures maintained

Integrated Assessment Focus Area 4

IAFA04 Plan and carry out safe electrical, electronic ad control engineering operations in accordance with established rules and procedures to ensure safety of operations at the support level (15%)

Associated Assessment Criteria

IAFA0401 Assistance is provided to ensure safe electrical, electronic and control engineering processes at support level on board

Integrated Assessment Focus Area 5

IAFA05 Assist with maintenance and repair of a range of equipment specific to the requirements of the vessel (15%)

Associated Assessment Criteria

IAFA0501 Use painting, lubrication and cleaning materials and equipment are used

IAFA0502 Perform routine maintenance and repairs are performed

IAFA0503 Hand and power tools are used and waste materials disposed of

Integrated Assessment Focus Area 6

IAFA06 Contribute to the enhancement of maritime security and contingency plans through heightened awareness and vigilance (10%)

Associated Assessment Criteria

IAFA0601 Maintain a security lookout, including a piracy or armed robbery threat or attack

IAFA0602 Know the procedures to follow when they recognize a security threat

IAFA0603 Conduct a security patrol and contingency plans in a simulated environment

1.4.2 Assessment Standards for Phases

No phase tests are applicable

1.4.3 Assessment Standards for Part Qualifications

No Part Qualifications are applicable

2. ASSIGNMENTS TO BE EVALUATED EXTERNALLY

No assignments must be produced for external evaluation

3. CRITICAL ASPECTS OF THE INTERNAL ASSESSMENTS BE ASSESSED EXTERNALLY

No internal assessments to be re-assessed during external assessment

4. CRITERIA FOR THE REGISTRATION OF ASSESSORS

- Minimum of two (2) years' qualifying service as certificated navigating officer
- Registered with ETQA as an assessor
- Registered with SAMSA in its regulatory capacity

5. FOUNDATIONAL LEARNING

Foundational learning competence is a pre-requisite for the awarding of this qualification. These competencies are addressed through the Fundamentals of Communications and Introduction to Applied Marine Science and Maths.

6 ELIGIBILITY REQUIREMENTS FOR THE EXTERNAL ASSESSMENT

In order to qualify for the external summative assessment learners must have a copy of a completed and signed Statement of Work Experience as well as proof of successful completion of the following subjects and modules or alternative programmes where applicable.

6.1 Qualification

Proof of Knowledge Modules				**Or**	**Proof of Alternative Programmes**			
Number	***Title***	***NQF Level***	***Credits***		**Number**	**Title**	**NQF Level**	**Credits**
735101001-KM-01	Marine Engineering Operations Theory	3	16	Or				
735101001-KM-02	Proficiency in Survival Craft and Rescue Boats	4	4					
735101001-KM-03	Personal Survival Techniques	4	2					
735101001-KM-04	Personal Safety and Social Responsibility	4	2					
735101001-KM-05	Medical First Aid	5	4					
735101001-KM-06	Fire Prevention and Fire Fighting	3	2					
735101001-KM-07	Safety Familiarisation	3	2					
735101001-KM-08	Security Awareness	3	2					
735101001-KM-09	Fundamentals of Communications	3	2					
735101001-KM-10	Introduction to Applied Marine Science and Maths	3	2					

Proof of Practical Skill Modules				Or	Proof of Alternative Programmes			
Number	***Title***	***NQF Level***	***Credits***		**Number**	**Title**	**NQF Level**	**Credits**
735101001-PM-01	Perform engine room watch keeping duties at a support level	3	5	**Or**				
735101001-PM-02	Assist with bunkering and internal liquid transfers	3	5	**Or**				
735101001-PM-03	Contribute to the operation of the ship and care for persons on-board at a support level	3	5	**Or**				
735101001-PM-04	Perform safe electrical, electronic ad control engineering duties at the support level	3	5	**Or**				
735101001-PM-05	Provide maintenance and repair on board ship at support level	3	5	**Or**				
735101001-PM-06	Carry out designated security duties at support level	3	5	**Or**				

And

Statement of Work Experience

6.2 Phase 1

No Phase Tests applicable

6.3 Part Qualification

No Part Qualifications applicable