



# Government Gazette Staatskoerant

REPUBLIC OF SOUTH AFRICA  
REPUBLIEK VAN SUID-AFRIKA

Vol. 469

Pretoria, 23 July  
Julie 2004

**No. 26599**



**AIDS HELPLINE: 0800-0123-22 Prevention is the cure**

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**CONTENTS • INHOUD**

<i>No.</i>	<i>Page No.</i>	<i>Gazette No.</i>
------------	---------------------	------------------------

**GOVERNMENT NOTICES****South African Qualifications Authority***Government Notices*

871	National Standards Body Regulations: Standards Generating Body: NSB 07: Human and Social Studies.....	3	26599
872	Standards Generating Bodies: National Standards Body 07, Human and Social Studies.....	4	26599
873	do.: National Standards Body 04, Communication Studies and Language .....	9	26599
874	do.: National Standards Body 04, Communication Studies and Language .....	13	26599
875	do.: do .....	19	26599
876	National Standards Bodies Regulations: Standards Generating Body (SGB) for Measurement, Control and Instrumentation registered by NSB 06, Manufacturing, Engineering and Technology .....	25	26599
877	do.: Standards Generating Body (SGB) for Furniture registered by NSB 06, Manufacturing, Engineering and Technology .....	41	26599
878	do.: Standards Generating Body (SGB) for Building Construction registered by NSB 12, Physical Planning and Construction .....	49	26599
879	do.: Standards Generating Body (SGB) for Transport and Logistics Operations registered by NSB 11, Services.....	51	26599

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**GOVERNMENT NOTICES**

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**SOUTH AFRICAN QUALIFICATIONS AUTHORITY****No. 871****23 July 2004**

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WATERKLOOF  
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*Established in terms of Act 58 of 1995*

15 July 2004

The South African Qualifications Authority in terms of the National Standards Body Regulations (Government Gazette No. 18787) published on 28 March 1998, hereby give notice of additional names of the following Standards Generating Body:

**NSB 07 : HUMAN AND SOCIAL STUDIES****Additional Names for the SGB for Islamic Studies**

<b>NOMINEE</b>	<b>WORKPLACE</b>	<b>NOMINATING BODY</b>	<b>EXPERIENCE/ QUALIFICATIONS</b>
Ashar Ahmed Vawda	Islamic Educational Organisation of Southern Africa	Islamic Educational Organisation of Southern Africa	BA Hons, BA, Head of Education, Programme Administrator

**LOFFIE NAUDE****ACTING DIRECTOR : STANDARDS SETTING AND DEVELOPMENT**

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**SAQA'S MISSION**

*"To ensure the development and implementation of a National Qualifications Framework which contributes to the full development of each learner and to the social and economic development of the nation at large."*

No. 872

23 July 2004

**SOUTH AFRICAN QUALIFICATIONS AUTHORITY (SAQA)**

In order to proceed with the recognition of Standards Generating Bodies in terms of Government Regulations 19(1)(c) and 22(2) of 28 March 1998, National Standards Body 07, Human and Social Studies, invites public comment with respect to *the acceptability of the nominees and the representativeness of the key education and training stakeholder interest groups* listed as SGB applicants below.

**In addition, the NSB invite submissions from interested parties wishing to serve on such an SGB.** Interested parties should take note of the section on SGB Information below.

**All nominations/ applications should be accompanied by curricula vitae.**

More information regarding this application may be obtained on the SAQA website or from the SAQA offices.

Comment should reach the NSB at the address below by not later **23 August 2004**. All correspondence should be marked **SGB Society and Environment Interactions** and be addressed to:

The Director: Standards Setting and  
Development  
SAQA  
*Attention: Mr. D Mphuthing*  
Postnet Suite 248  
Private Bag X06  
Waterkloof  
0145  
or faxed to 012 – 431-5119  
[dmphuthing@saqa.co.za](mailto:dmphuthing@saqa.co.za)

**SGB INFORMATION**

As a necessary step in the development and implementation of the National Qualifications Framework, The National Standards Bodies are briefed [regulation 19(1)(c) of 28 March 1998] to recognise or establish Standards Generating Bodies (SGBs).

SGBs shall:

- a. generate standards and qualifications in accordance with the Authority requirements in identified sub-fields and levels;
- b. update and review standards;
- c. recommend standards and qualifications to National Standards Bodies;
- d. recommend criteria for the registration of assessors and moderators or moderating bodies; and



- e. perform such other functions as may from time-to-time be delegated by their National Standards Body.

Any bodies wishing to nominate representatives, make application to serve on, or make any other submission with regard to the above SGB should note the following information.

SGBs should be composed of organisations, which shall be key education and training stakeholder interest groups and experts in the sub-field. The NSB, when making its final decisions will have due regard for, among other things, *'the need for representativeness and equity, redress and relevant expertise in terms of the work of the SGBs.'*

Organisations proposing to nominate persons to SGBs should be sensitive to the need for **equity** and **redress**, and shall nominate persons who-

- (a) will be able to consider issues of productivity, fairness, public interest and international comparability as related to education and training in the sub-field;
  - (b) enjoy credibility in the sub-field in question, who enjoy respect; have the necessary expertise and experience in the sub-field and have the support or backing of the nominating body;
  - (c) are able to advocate and mediate the needs and interests of all levels within the sub-field covered by the Standards Generating Body;
  - (d) are able to exercise critical judgement at a high level; and
  - (e) are committed to a communication process between the Standards Generating Body, the National Standards Body and the Constituency.
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**PUBLIC NOTICE BY NSB 07, HUMAN AND SOCIAL STUDIES, TO EXTEND THE BRIEF OF  
THE STANDARDS GENERATING BODY (SGB) FOR SOCIETY AND ENVIRONMENT  
INTERACTIONS**

The National Standards Body (NSB) 07 hereby extends the brief of the SGB for Society and Environment Interactions in the sub-field of Environmental Relations from 1 May 2004 until 30 April 2007.

**PROPOSED BRIEF OF THE SGB**

1. Develop learning pathways for potential qualifications and unit standards in the area of Society and Environment Interactions from level 1 through to level 8 [*Regulation 24 (1)(e)*]. A Level 4 FET Certificate has been submitted and the SGB needs additional time to complete its brief.
2. Generate the following standards and qualifications in the sub-field of Environmental Relations in accordance with Authority requirements, for NQF levels 1 – 8, for competencies in the practice of, amongst other related fields, educators; environmental consultants, journalists and planners; professional researchers; tourism managers; environmental scientists and decision makers in all sectors; social ecologists; environmental auditors, safety, health and environmental managers developers (urban, rural land and property developers); agriculturists; community based organisation sectors; environmental economists, nature conservators [*Regulation 24 (1)(a)*].
3. The following qualifications shall be generated:
  - Certificate in Society and Environment Interactions (Level 1)
  - National Certificate in Society and Environment Interactions (Level 4)
  - National Diploma in Society and Environment Interactions (Level 5)
  - First Degree in Society and Environment Interactions (Level 6)
  - Honours Degree in Society and Environment Interactions (Level 7)
  - Masters Degree in Society and Environment Interactions (Level 8)
  - Doctorate in Society and Environment Interactions (Level 8+)
4. Recommend the qualifications and standards generated under 1 and 2 above, to the NSB [*Regulation 24 (1)(c)*].
5. Recommend criteria for the registration of assessors and moderators or moderating bodies [*Regulation 24 (1)(d)*].
6. Liaise with any other SGBs, as required, where environment and society interactions are involved/are being considered [*Regulation 24 (1)(e)*].
7. Perform such other related functions as may from time to time be delegated by the NSB [*Regulation 24 (1)(e)*].

## PROPOSED COMPOSITION OF THE SGB

NOMINEE	WORKPLACE	NOMINATING BODY	QUALIFICATIONS/ EXPERIENCE
Clacherty, Alistair	Clacherty & Associates Education Consultants	Clacherty & Associates Education Consultants	Long teaching experience in Geography at primary and high schools and College of Education
Fig, David	University of Witwatersrand	University of Witwatersrand	Long teaching experience in Environmental Sociology
Fox, Roddy	Rhodes University	Rhodes University	Head of Department and long teaching experience in Geography
Haffer, Catherine	Technikon Pretoria	Committee of Technikon Principals	Lecturer in Environmental Law, Management, Resources
Daniel K Irurah	University of Witwatersrand (Wits)	University of Witwatersrand (Wits)	Ph.D (Architecture) (University of Pretoria), M. Arch (Master of Architecture) (University of Oregon). Consultancy, Project Manager - Housing policy, training and lecturing, researcher.
Mahlobogoane, Master S	Musi P School	South African Democratic Teachers' Union	Long teaching experience in Natural Sciences
Gezani Lamson Maluleke	African Wildlife Foundation (AWF)	African Wildlife Foundation (AWF)	Certificate in Project Management (School of Public Management Development – Wits), Certificate in Leadership Training and Management (University of the North). Coordinating eco-tourism development programmes, cultural tourism projects, water projects, and policy.
Mathews, John	Eduviro Consulting	Eduviro Consulting	Long experience as a consultant in the field of Environmental Education and Management
Mzazi, Phumla	Department of Environmental Affairs and Tourism, Eastern Cape	Department of Environmental Affairs and Tourism	Long experience as an Environmental Officer

Nbabeni, Lindile	University of Witwatersrand	University of Witwatersrand	Lecturer in Geography and Environmental Studies
Bangani Eric Ngeleza	KNC & Associates	KNC & Associates	M.Sc (UCT), B.A. Hons (UCT). Researcher, analyst, consultant and management facilitator and trainer in policy and environmental issues.
Radebe, S C L	Sukuma Comprehensive School	Sukuma Comprehensive School	Long teaching experience in Geography
Novuselelo Songelwa	Transvaal Rural Action Committee (TRAC) - Mpumalanga	Transvaal Rural Action Committee (TRAC) - Mpumalanga	M.Ed (UWC), B.Ed (University of Transkei), Gender and Environmental Co-ordinator, Environmental Education Officer, experience in monitoring and evaluation of projects and programmes, adult education and training.
Tafa, Kutala	Nozuko S S School	South African Democratic Teachers' Union	Long teaching experience in Geography
David Johannes Philippus De Waal	Afrosearch (Pty) Ltd	Afrosearch (Pty) Ltd	DLitt et Phill. (UNISA), M.A. (Stellenbosch). Senior consultant, specialist community based management, training and facilitation, community mobilization.

No. 873

23 July 2004

**SOUTH AFRICAN QUALIFICATIONS AUTHORITY (SAQA)**

In order to proceed with the recognition of Standards Generating Bodies in terms of Government Regulations 19(1)(c) and 22(2) of 28 March 1998, National Standards Body 04, Communication Studies and Language, invites public comment with respect to *the acceptability of the nominees and the representativeness of the key education and training stakeholder interest groups* listed as SGB applicants below.

**In addition, the NSB invite submissions from interested parties wishing to serve on such an SGB.** Interested parties should take note of the section on SGB Information below.

**All nominations/ applications should be accompanied by curricula vitae.**

More information regarding this application may be obtained on the SAQA website or from the SAQA offices.

Comment should reach the NSB at the address below by not later than **23 August 2004**. All correspondence should be marked **SGB for Journalism** and be addressed to:

The Director: Standards Setting and  
Development  
SAQA

Attention: Mr. D Mphuthing  
Postnet Suite 248  
Private Bag X06  
Waterkloof  
0145

or faxed to 012 – 431-5144  
e-mail: [dmphuthing@saqa.co.za](mailto:dmphuthing@saqa.co.za)

**SGB INFORMATION**

As a necessary step in the development and implementation of the National Qualifications Framework, The National Standards Bodies are briefed [regulation 19(1)(c) of 28 March 1998] to recognise or establish Standards Generating Bodies (SGBs).

SGBs shall:

- a. generate standards and qualifications in accordance with the Authority requirements in identified sub-fields and levels;
- b. update and review standards;
- c. recommend standards and qualifications to National Standards Bodies;
- d. recommend criteria for the registration of assessors and moderators or moderating bodies; and



- e. perform such other functions as may from time-to-time be delegated by their National Standards Body.

Any bodies wishing to nominate representatives, make application to serve on, or make any other submission with regard to the above SGB should note the following information.

SGBs should be composed of organisations, which shall be key education and training stakeholder interest groups and experts in the sub-field. The NSB, when making its final decisions will have due regard for, among other things, *'the need for representativeness and equity, redress and relevant expertise in terms of the work of the SGBs.'*

Organisations proposing to nominate persons to SGBs should be sensitive to the need for **equity** and **redress**, and shall nominate persons who-

- (a) will be able to consider issues of productivity, fairness, public interest and international comparability as related to education and training in the sub-field;
- (b) enjoy credibility in the sub-field in question, who enjoy respect; have the necessary expertise and experience in the sub-field and have the support or backing of the nominating body;
- (c) are able to advocate and mediate the needs and interests of all levels within the sub-field covered by the Standards Generating Body;
- (d) are able to exercise critical judgement at a high level; and
- (e) are committed to a communication process between the Standards Generating Body, the National Standards Body and the Constituency.

**PUBLIC NOTICE BY NSB 04, COMMUNICATION STUDIES AND LANGUAGE, OF AN  
APPLICATION TO  
RE-REGISTER THE SGB FOR JOURNALISM**

On 15 April 2004 NSB 04 received and considered an application to re-register the SGB for Journalism and proposes, in terms of *NSB Regulation 24 (1) (e)*, to extend the brief and membership of the SGB at NQF levels 4 – 7.

**BRIEF OF THE SGB**

1. Develop learning pathways for potential qualifications and unit standards in the sub-field of Journalism from level 4 through to level 7 [*Regulation 24 (1) (e)*].
2. The following qualifications shall be generated:
  - Certificate in Journalism (NQF Level 4 – 7)
  - National Diploma in Journalism (NQF Level 5 - 7)
  - First Degree in Journalism (NQF Level 6)
3. Recommend the qualifications and standards generated under 2 above, to the NSB [*Regulation 24 (1) (c)*].
4. Recommend criteria for the registration of assessors and moderators or moderating bodies [*Regulation 24 (1) (d)*].
5. Liase with any other SGBs, as required. [*Regulation 24 (1) (e)*].
6. Review these qualifications and unit standards and effect the necessary changes [*Regulation 24 (1) (b)*].
7. Accept and perform other related functions as requested by the NSB [*Regulation 24 (1) (e)*].

## PROPOSED COMPOSITION OF THE SGB

NAME	WORKPLACE	NOMINATING BODY	QUALIFICATION/ EXPERIENCE
Mr Maree, K	SABC Training	SABC	26 years in journalism and training; Currently working at the SABC
Mr Forbes, D	University of the North West	University of the North West	BA (Hons); MA; PhD. Has written a book
Ms Rabe, L	University of Stellenbosch	University of Stellenbosch	BA (Hons Journ); MJourn. DPhil. 21 years in journalism, 3 years graduate journalism training; Currently professor at the University of Stellenbosch; co-author of seven books
Mr Els, D	Media 24	Media 24	BA (Hons) in Communication (PUK). Reporter and Lecturer
Mr Eshak, B	Sunday Times	Sunday Times	Certificate in Public Relations; journalist with the Sunday Times; experience in librarianship; involved in training
Ms Ansell, G	Freelance	Institute of Advanced Journalism	Freelance journalist and trainer; Former Director, IAJ; MA (Oxon). Cert. TEFL; Cert. Ed (Lond); BA Hons (Oxon).
Ms Clay, P	Johnnic Communciations (Media)	SANEF/Johnnic	BA (UCT) in Drama and English; 27 years in journalism and training
Mr Sewlal, R	Durban Institute of Technology	Durban Institute of Technology	BA (Law), LLB and journalism trainer; Certificate in Labour Law
Mr Moul, B	Caxton/CTP Editorial Training	Caxton	Journalist/Editor
Mr Arenstein, J	African Eye News Service	Independent Media Alliance/AENS	Journalist/Editor; founder of Africa Eye News Service; trains rural investigative journalists; member of various professional organisations
Ms Barratt, E	Independent Newspapers	Independent	BA (Hons) Psychology; Certificate in Management; Series of short courses in Project Management, Labour Relations, Disciplinary Procedures. Currently Executive Editor & Chief of Staff at The Star

**SOUTH AFRICAN QUALIFICATIONS AUTHORITY (SAQA)**

In order to proceed with the recognition of Standards Generating Bodies in terms of Government Regulations 19(1)(c) and 22(2) of 28 March 1998, National Standards Body 04, Communication Studies and Language, invites public comment with respect to *the acceptability of the nominees and the representativeness of the key education and training stakeholder interest groups* listed as SGB applicants below.

**In addition, the NSB invite submissions from interested parties wishing to serve on such an SGB.** Interested parties should take note of the section on SGB Information below.

**All nominations/ applications should be accompanied by curricula vitae.**

More information regarding this application may be obtained on the SAQA website or from the SAQA offices.

Comment should reach the NSB at the address below by not later than **23 August 2004**. All correspondence should be marked **SGB for Audio Visual and Media Production** and be addressed to:

The Director: Standards Setting and  
Development  
SAQA  
*Attention: Mr. D Mphuthing*  
Postnet Suite 248  
Private Bag X06  
Waterkloof  
0145  
or faxed to 012 – 431-5144  
e-mail: [dmphuthing@saga.co.za](mailto:dmphuthing@saga.co.za)

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- c. recommend standards and qualifications to National Standards Bodies;
- d. recommend criteria for the registration of assessors and moderators or moderating bodies; and

- e. perform such other functions as may from time-to-time be delegated by their National Standards Body.

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SGBs should be composed of organisations, which shall be key education and training stakeholder interest groups and experts in the sub-field. The NSB, when making its final decisions will have due regard for, among other things, *'the need for representativeness and equity, redress and relevant expertise in terms of the work of the SGBs.'*

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- (c) are able to advocate and mediate the needs and interests of all levels within the sub-field covered by the Standards Generating Body;
- (d) are able to exercise critical judgement at a high level; and
- (e) are committed to a communication process between the Standards Generating Body, the National Standards Body and the Constituency.



**PUBLIC NOTICE BY NSB 04, COMMUNICATION STUDIES AND LANGUAGE, OF AN  
APPLICATION TO  
RE-REGISTER THE SGB AUDIO VISUAL AND MEDIA PRODUCTION**

On 15 April 2004 NSB 04 received and considered an application to re-register the SGB for Audio Visual Media Production and proposes, in terms of *NSB Regulation 24 (1) (e)*, to extend the brief and membership of the SGB at NQF levels 1 – 8.

**BRIEF OF THE SGB**

1. Develop learning pathways for potential qualifications and unit standards in the sub-field of Audio Visual and Media Production from level 1 through to level 6 [*Regulation 24 (1) (e)*].
2. The following qualifications shall be generated:
  - National Certificate in TV Production Operations (NQF Level 4)
  - National Certificate/Diploma in TV Production (NQF Level 5)
  - National Diploma in Radio Production (NQF Level 5)
  - National Certificate in Radio Station Management (NQF Level 6)
  - Five Qualifications in Film and Video Production/Management (NQF Levels 4 – 7)
  - National Diploma in Interactive Media (NQF Level 5)
  - National Diploma in 3-D Animation (NQF Level 5)
  - Unit standards in Radio Station Music Management (NQF Level 5)
3. Recommend the qualifications and standards generated under 2 above, to the NSB [*Regulation 24 (1) (c)*].
4. Recommend criteria for the registration of assessors and moderators or moderating bodies [*Regulation 24 (1) (d)*].
5. Liase with any other SGBs, as required. [*Regulation 24 (1) (e)*].
6. Review these qualifications and all unit standards, including those already registered and effect the necessary changes [*Regulation 24 (1) (b)*].
7. Accept and perform other related functions as requested by the NSB [*Regulation 24 (1) (e)*].

## Proposed Composition of the SGB

NAME	WORKPLACE	NOMINATING BODY	QUALIFICATION/ EXPERIENCE
Heather Setzen	Hotshots	Hot Shots	BA in Fine Arts, Higher Diploma in Education, Licentiate in Drama Teaching
Uwe Beckmann	Bedon TV	Bedon TV	Director of TV dramas; Currently President of the Society of Cinematographers; Director of Photography Group
Hoosein Ebrahim	PPSA (MEDUNSA)	PPSA (MEDUNSA)	BA in Languages. Broadcast Communications Programme, Dip in Business Management, Mediator in private practice
Paddi Clay	SANEF	SANEF	BA (UCT); 25 years experience in journalism and training
Shiraj Jamal	Bush Radio	Bush Radio	Senior Primary Education Diploma; Higher Education Diploma; teacher and trainer; human resource development for Bush Radio; experience in broadcasting
Cheryl-Ann Delpont	Mercury Film and TV School	Mercury Film and TV School	23 years experience in TV and film; Managed a training school; Diploma in Journalism (ICS)
Tonie Englebrecht	SABC (Training)	SABC (Training)	31 years experience in radio and television, also worked as skills development facilitator
Phil Pretorius	Rand Afrikaans University (RAU)	Rand Afrikaans University (RAU)	BA (Hons) in Communication; Range of work-related qualifications; Junior Lecturer at RAU; attended many seminars and congresses
Howard Thomas	Busvannah Communications	Busvannah Communications	BA in Economics and Politics, extensive experience in production, film, broadcast, animation and graphics

NAME	WORKPLACE	NOMINATING BODY	QUALIFICATION/ EXPERIENCE
Christo Doherty	University of the Witwatersrand	University of the Witwatersrand	BA (Hons) (UCT); MA (University of Natal); Broadcast Production Training at the SABC; Channel executive producer for Cue-TV arts television channel; Director of First TV School at Rhodes University; Currently Head of Digital Arts at Wits University
Celeste Dickinson	Jacaranda FM	Jacaranda FM	BA (Rhodes University); Was General Manager of Can-I 98.7fm; Freelance radio trainer at trans.mission; Worked for Rhodes Music Radio (RMR); Currently at Jacaranda 94.2fm
Anja Merret	Concept Interactive	Concept Interactive	BA (Hons), UED, MBA; Experience in DTP, web, multimedia & e-Learning industry; Currently on the management committee of ISPA; on the Advisory Body to Create SA
Pete Burnett	Durban Institute of Technology (DIT)	Durban Institute of Technology (DIT)	Higher Diploma in Education (University of Natal); Currently completing a MTech in motion picture production; 18 years experience in the Department of Video Technology; Currently at DIT
Angus Clark	M-Net	M-Net	Many short courses in TV studio operations, management, Management Development Programme (University of Pretoria); Lighting Design Specialist, Picture Quality consultant
Nikki Tilley	Monash University	Monash University	Involved in the Film and TV unit standards at Monash University

Patti Putter	Gasworks Post Production	Gasworks Post Production	National Diploma in Fine Arts (Wits Technikon); Currently Managing Director of Gasworks Post Production; Freelance line producer on TV drama series; Was administrator for South African Guild of Editors (S.A.G.E.)
Anthony Duke	SABC Radio	SABC	British Independent Broadcasting Authority Programming Course; Head of Music and Programmes at Capital Radio; broadcasting consultant; currently Station Manager for national radio 5FM
Faiza Abrahams-Smith	National Community Radio Forum (NCRF)	National Community Radio Forum (NCRF)	Radio Broadcasting Certificates (IAJ); Train the Trainer courses; certificates in early learning; currently CEO of NCRF; project coordinator at IAJ; training administrator at SABC
Gina Bonmariage	NFVF	NFVF	BA (Hons) Speech and Hearing Therapy; Programme Manager for EAVE; Was Head of Development for Primedia Pictures; Established Audio Visual Entrepreneurs of Africa; Member of the founding council of the NFVF
Gerhard Uys	PTA Technikon	Film Industry	BA in Communications and NHD in Film Production; range of short courses in related disciplines; several publications; vast experience in the industry
Phyllis Dannhauser	Wits TV	Wits TV	Diploma in Journalism, 18 years experience in live and pre-packaged film and video programmes
Martin Vilakazi	Institute for the Advancement of Journalism	Institute for the Advancement of Journalism	Secondary Teachers Diploma; Certificate in Journalism; certificate Media Training of Trainers; involved in radio and TV productions and in journalism

No. 875

23 July 2004

**SOUTH AFRICAN QUALIFICATIONS AUTHORITY (SAQA)**

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In addition, the NSB invite submissions from interested parties wishing to serve on such an SGB. Interested parties should take note of the section on SGB Information below.

All nominations/ applications should be accompanied by curricula vitae.

More information regarding this application may be obtained on the SAQA website or from the SAQA offices.

Comment should reach the NSB at the address below by not later than **23 August 2004**. All correspondence should be marked **SGB for South African Sign Language** and be addressed to:

The Director: Standards Setting and  
Development  
SAQA

Attention: Mr. D Mphuthing  
Postnet Suite 248  
Private Bag X06  
Waterkloof  
0145

or faxed to 012 – 431-5144  
e-mail: [dmpthuting@saqa.co.za](mailto:dmpthuting@saqa.co.za)

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- update and review standards;
- recommend standards and qualifications to National Standards Bodies;
- recommend criteria for the registration of assessors and moderators or moderating bodies; and



- e. perform such other functions as may from time-to-time be delegated by their National Standards Body.

Any bodies wishing to nominate representatives, make application to serve on, or make any other submission with regard to the above SGB should note the following information.

SGBs should be composed of organisations, which shall be key education and training stakeholder interest groups and experts in the sub-field. The NSB, when making its final decisions will have due regard for, among other things, *'the need for representativeness and equity, redress and relevant expertise in terms of the work of the SGBs.'*

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  - (c) are able to advocate and mediate the needs and interests of all levels within the sub-field covered by the Standards Generating Body;
  - (d) are able to exercise critical judgement at a high level; and
  - (e) are committed to a communication process between the Standards Generating Body, the National Standards Body and the Constituency.
-

**PUBLIC NOTICE BY NSB 04, COMMUNICATION STUDIES AND LANGUAGE, OF AN  
APPLICATION TO  
RE-REGISTER THE SGB FOR SOUTH AFRICAN SIGN LANGUAGE**

**BRIEF OF THE SGB**

1. Develop learning pathways for potential qualifications and unit standards in the sub-fields of South African Sign Language from level 1 through to level 6 [Regulation 24 (1) (e)]
2. Generate:
  - (a) South African Sign Language
    - I. Home (First) language qualifications and unit standards in the sub-fields, in accordance with Authority requirements, for NQF levels 1 – 6.
    - II. Additional language qualifications and unit standards in the sub-fields, in accordance with Authority requirements, for NQF levels 4 – 6.
  - (b) South African Sign Language Interpreting qualifications and unit standards in the sub-fields, in accordance with Authority requirements, for NQF levels 4 – 6.
3. Recommend qualifications and standards generated under 2, above, to the NSB [Regulation 24 (1) (a)].
4. Recommend criteria for the registration of assessors and moderators or moderating bodies [Regulation 24 (1) (d)].
5. Review the qualifications and unit standards and effect the necessary changes. [Regulation 24 (1) (b).]
6. Perform such other tasks as may from time to time be assigned by the NSB. (Regulation 24 (1) (e))

**Proposed Composition of the SGB**

NAME	WORKPLACE	NOMINATING BODY	QUALIFICATION/ EXPERIENCE
Philemon Akach	University of the Free State	Deafsa	MA in Linguistics and African Languages, Senior lecturer-SASL, and Researcher, SATI Accredited SASL Interpreter, International interpreter (WFD) SL and Interpreting Expert for WFD in Africa, consultant on

			Deaf Education and use of SL for UNESCO and involved in Deaf Education since 1979.
Helen Morgans	School of Literature and Language Studies in SASL Dept – University of the Witwatersrand	University of the Witwatersrand	MA Signed Language Linguistics, University of Stellenbosch; BS Accounting (Gallaudet University); Board member of PanSALB; Current convenor of SGB for SASL; Exco member of Centre for Deaf Studies (Wits) and Deafsa; Member of the Governing Body of St Vincent's School for the Deaf
Thelma Kotze	School of Literature and Language Studies in SASL Dept	Deafsa	Orientation to Sign Language (University of the Free State); Sign Language Stage 3 – Advanced Level (Wits); Member of Deafsa and the SGB for SASL; International and National interpreting experience
Carmella Erasmus	Freelance Interpreter	Deafsa	BA (Montclair University, USA); Secondary Teachers Certificate (Newark); Credits in different aspects of Sign Language; Was Coordinator of Deaf Adult Literacy Project; Interpreter and facilitator
Atiyah Asmal	Sign Language Education Development (SLED)	Deafsa	Teacher of SASL at school for the Deaf; Presented for the SABC; Founder member of SLED, developed the first SA materials for educators of the Deaf from pre-school to matric i.e. Life Skills, HIV and AIDS Education for the Deaf Learner - An Illustrative Programme
Kirsty MacLons	Sign Language Education Development (SLED)	Sign Language Education Development (SLED)	Sign Language Interpreting Level 2 Advanced (University of Durham); Post Graduate Certificate in the Education of the Deaf (Cambridge University); Founder member of SLED; Lecturer at Wits University in SASL interpreting; Assisted in the development of SASL first language and second language curriculum for Deafsa.

Desmond Kgarebe	Retlhamaleng School for Disabled, Kimberley	Deafsa	Experienced SASL trainer
Francina Sadiki	Tshilidzini School for the Deaf	Deafsa	BA (Hons) in Tshivenda; MA in African Languages and Linguistics; Taught Sign Language for 22 years; Advocacy for Sign Language provincially and nationally
Ernest Kleinschmidt	Institute for the Deaf, Worcester	Deafsa	Experienced SASL trainer
Patricia Kgamane	Deafsa – Limpopo Province	Deafsa	SASL trainer in Limpopo Province
Asha Udith	VN Naik School for the Deaf	VN Naik School for the Deaf	Prof Teaching Qualification (Springfield Teachers College); Advance Certification in deaf Education (Wits University); Member of Inter-Governmental Language Committee and PanSALB's Sign Language Committee; Teaching at VN Naik School for the Deaf
Ruth Morgan	Dept of Translation and Interpreting (Wits)	University of the Witwatersrand	MA in Linguistics (Sign Language) Gallaudet University, USA. PhD in Anthropology with a focus on Deaf culture and Namibian Sign Language, The American University, USA. Post-doctoral research on Life Story Narratives of Deaf South Africans. Department of Translation. School of languages and literatures. Wits University.
Lucas Magongwa	Dept of Specialised Education (Wits)	Deafsa	B Ed with honours; Taught SASL at school, community and university levels since 1992; Lecturer by profession
Meryl Glaser	Dept of Logopaedics	University of Cape Town	MSc in Human Communication (City University, London); Coordinator of Deaf Adult Literacy Project for DCCT
Trevor Ngcobo	Telkom	Deafsa	National Diploma in Purchasing Management (Wits Technikon); Sign Language Development Assistant for Deafsa and Research Assistant at University of Sellenbosch

Claudine Storbeck	Deaf Education, (Wits)	University of the Witwatersrand	PhD in Deaf Education. Registered Psychometrist. SASL Interpreter
Bruno Druchen	Deafsa	Deafsa	National Director of Deafsa
Karl Reddy	World Deaf Leadership	Deafsa	Post Graduate Diploma of Education (Unisa); Certificate in SASL; BSc (International Business)
Lydia Petros- Mofokeng	University of the Free State	University of the Free State	Short courses in Life Skills and Leadership; Attended Deaf Development Worker training; Worked for Association for Persons with Disabilities and the Deaf (APD); Served as Deputy Chairperson of Deafsa
Olga Blose	University of the Witwatersrand	Deafsa	BA in Primary Education (Unisa); was National Executive Member of Deafsa; SASL instructor and researcher; was TV presenter



No. 876

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

**Measurement, Control and Instrumentation**

Registered by NSB 06, Manufacturing, Engineering and Technology, 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 standard. The qualification and unit standard can be accessed via the SAQA web-site at [www.saqa.org.za](http://www.saqa.org.za). Copies may also be obtained from the Directorate of Standards Setting and Development at the SAQA offices, Hatfield Forum West, 1067 Arcadia Street, Hatfield, Pretoria.

Comment on the 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 Measurement, Control and Instrumentation** and addressed to

The Director: Standards Setting and Development  
SAQA

*Attention: Mr. D Mphuthing*

Postnet Suite 248

Private Bag X06

Waterkloof

0145

or faxed to 012 – 431-5144

e-mail: [dmphuthing@saqa.co.za](mailto:dmphuthing@saqa.co.za)



**DR LOFFIE NAUDE**

**ACTING DIRECTOR: STANDARDS SETTING AND DEVELOPMENT**



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### QUALIFICATION:

#### Further Education and Training Certificate: Measurement, Control and Instrumentation

SAQA QUAL ID	QUALIFICATION TITLE	
48919	Further Education and Training Certificate: Measurement, Control and Instrumentation	
SGB NAME	SGB Measurement, Control and Instrumentation	
ABET BAND	PROVIDER NAME	
Undefined		
QUALIFICATION CODE	QUAL TYPE	SUBFIELD
MET-4-National Certificate	National Certificate	Engineering and Related Design
MINIMUM CREDITS	NQF LEVEL	QUALIFICATION CLASS
160	Level 4	Regular-Unit Stds Based
SAQA DECISION NUMBER	REGISTRATION START DATE	REGISTRATION END DATE

#### PURPOSE OF THE QUALIFICATION

Qualifying learners will gain competencies that will promote professionalism in this sub field by being able to:

- > Maintain instrumentation equipment in a process control loop.
- > Apply faultfinding techniques on instrumentation equipment and process control loops.
- > Demonstrate an understanding of process communication systems.

#### Rationale for the qualification

The need for this qualification has been established by this economic sector. This qualification is aimed at learners who wish to enter this field of economic activity as well as learners who are already in this field and have gained experience in this sub field and wish to receive formal recognition of their experience. This qualification serves as a basis for learners who wish to follow this career path and forms the basis for further development.

#### RECOGNIZE PREVIOUS LEARNING?

Y

#### LEARNING ASSUMED TO BE IN PLACE

- > This qualification assumes that the candidate has a NQF Level 3 Certificate in Measurement Control and Instrumentation.

Or

The candidate must prove competence in terms of the NQF Level 3 qualification and learning in preparation for this qualification should include the aspects of:

- > Language, mathematics, literacy and numeracy.
- > Science and Measurement Control and Instrumentation technology.
- > Teamwork.
- > Dexterity and technical aptitude.

Qualifying candidates will have the ability to:

- > Articulate to the level 5 qualification.
- > Perform maintenance tasks.

#### Recognition of Prior Learning

This qualification may be obtained through RPL. The learner should be thoroughly briefed on the mechanism to be used and support and guidance should be provided. Care should be taken that the mechanism used provides the learner with an opportunity to demonstrate competence and is not so onerous as to prevent learners from taking up the RPL option towards gaining a qualification.

**QUALIFICATION RULES**

N/A

**EXIT LEVEL OUTCOMES**

1. The ability to maintain process control systems.
2. The ability to maintain Programmable Logic Controllers (PLC).
3. Understand Process Communication Systems.
4. Maintain and support procedures to solve a variety of problems, both familiar and unfamiliar, within a Measurement, Control and Instrumentation field.

**ASSOCIATED ASSESSMENT CRITERIA**

1.
  - > Prepare for maintaining process control systems.
  - > Diagnose faults in process control systems.
  - > Repair equipment in process control systems.
  - > Calibrate equipment with an understanding of the quality of measurement in process control systems.
  - > Establish normal conditions after completion of maintenance.
2.
  - > Install PLC hardware.
  - > Diagnose faults on PLC hardware.
  - > Repair PLC hardware.
  - > Establish normal conditions after completion.
3.
  - > Demonstrate an understanding of the hierarchical industrial network structure.
  - > Demonstrate an understanding of Process Communication protocols, interfaces and mediums.
  - > Demonstrate an understanding of network addressing.
4.
  - > Solutions to problems are based on a clear analysis of information gathered through diagnostic procedures.
  - > Procedures are modified to respond to unfamiliar problems where appropriate.
  - > Can respond to questions and discuss issues related to familiar and unfamiliar problems arising in the Measurement, Control and Instrumentation field.
  - > All actions related to problem solving are accurately recorded for future reference.

**Integrated assessment**

Integrated assessment at the level of the qualification provides an opportunity for learners to show they are able to integrate concepts, actions and ideas achieved across a range of unit standards and contexts. Integrated assessment must evaluate the quality of observable performance as well as the thinking behind the performance.

Some assessment aspects will demand practical demonstration while others may not. In some case inference will be necessary to determine competence depending on the nature and context within which performance takes place.

Since this is a foundational qualification, it is necessary to ensure that the fundamental part of the qualification is also targeted to ensure that while the competence may have been achieved in a particular context, learners are able to apply it in a range of other contexts and for further learning. The assessment should also ensure that all the critical cross-field outcomes have been achieved.

**INTERNATIONAL COMPARABILITY**

This qualification was compared with the New Zealand Qualifications Authority National Certificate in Industrial Measurement and Control and the Diploma in Instrumentation and Control Engineering registered on the Australian NQF. In terms of specific outcomes, assessment criteria notional hours and degree of difficulty and the qualifications compare favorably.

**ARTICULATION OPTIONS**

This is the third qualification in a series from NQF level 2 through NQF level 3, 4 and 5. This series of qualifications can articulate directly to learning programmes

and qualifications in the Measurement, Control and Instrumentation field. It also opens the possibility for further learning in the sub-field of Engineering and related design.

### MODERATION OPTIONS

> A person assessing a learner or moderating the assessment of a learner against this Qualification must be registered as an assessor with the relevant ETQA

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

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

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

### CRITERIA FOR THE REGISTRATION OF ASSESSORS

All assessors need to be Subject Matter Experts, qualified one level higher and registered with the relevant ETQA.

### 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	113901 Demonstrate an understanding of process communication systems	Level 4	8	Registered
Core	116042 Maintain process control loops	Level 4	10	Draft - Prep for P Comment
Core	116046 Fault find and repair Equipment associated with Final Control Elements	Level 4	10	Draft - Prep for P Comment
Core	116050 Fault find and repair Level Equipment	Level 4	10	Draft - Prep for P Comment
Core	116052 Fault find and repair Pressure Equipment	Level 4	10	Draft - Prep for P Comment
Core	116056 Fault find and repair Programmable Logic Controllers (PLC's)	Level 4	10	Draft - Prep for P Comment
Core	116068 Fault find and repair Temperature Equipment	Level 4	10	Draft - Prep for P Comment
Core	116082 Fault find and repair Flow Equipment	Level 4	10	Draft - Prep for P Comment
Core	116084 Demonstrate an understanding of the Principles of Process Control Loops	Level 4	10	Draft - Prep for P Comment
Core	116086 Demonstrate an understanding of the factors influencing the quality of measurement	Level 4	3	Draft - Prep for P Comment
Elective	116059 Maintain Specialized Sensing Devices	Level 4	15	Draft - Prep for P Comment
Elective	116061 Fault find and repair Analytical Equipment	Level 4	10	Draft - Prep for P Comment
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	7468 Use mathematics to investigate and monitor the financial aspects of personal, business, national and international issues	Level 4	2	Registered
Fundamental	7784 Communicate in a business environment	Level 4	6	Reregistered
Fundamental	8974 Engage in sustained oral communication and evaluate spoken texts	Level 4	5	Registered

Fundamental	8975 Read analyse and respond to a variety of texts	Level 4	5	Registered
Fundamental	8976 Write for a wide range of contexts	Level 4	5	Registered
Fundamental	9015 Apply knowledge of statistics and probability to critically interrogate and effectively communicate findings on life related problems	Level 4	5	Registered
Fundamental	12417 Measure, estimate & calculate physical quantities & explore, critique & prove geometrical relationships in 2 and 3 dimensional space in the life and workplace of adult with increasing responsibilities	Level 4	4	Reregistered
Fundamental	114963 Write a variety of texts in X	Level 4	4	Registered



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

1

**Demonstrate an understanding of the Principles of Process Control Loops**

SAQA US ID	UNIT STANDARD TITLE		
116084	Demonstrate an understanding of the Principles of Process Control Loops		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Measurement, Control and Instrumentation	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Manufacturing, Engineering and Technology		Engineering and Related Design	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
MET-ENG-0-SGB MC&I	Regular	Level 4	10

#### **Specific Outcomes:**

##### **SPECIFIC OUTCOME 1**

Understand process control loops.

##### **SPECIFIC OUTCOME 2**

Understand the control concepts within a loop.

##### **SPECIFIC OUTCOME 3**

Interpret and Analyse Process Control Loop Response.





## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

## UNIT STANDARD:

2

Demonstrate an understanding of the factors influencing the quality of measurement

SAQA US ID		UNIT STANDARD TITLE	
116086		Demonstrate an understanding of the factors influencing the quality of measurement	
SGB NAME		ABET BAND	PROVIDER NAME
SGB Measurement, Control and Instrumentation		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Manufacturing, Engineering and Technology		Engineering and Related Design	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
MET-ENG-0-SGB MC&I	Regular	Level 4	3

**Specific Outcomes:****SPECIFIC OUTCOME 1**

Interpret and understand specifications.

**SPECIFIC OUTCOME 2**

Demonstrate an understanding of the certification process.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

3

### Fault find and repair Analytical Equipment

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
116061	Fault find and repair Analytical Equipment		
<b>SGB NAME</b>		<b>ABET BAND</b>	<b>PROVIDER NAME</b>
SGB Measurement, Control and Instrumentation		Undefined	
<b>FIELD DESCRIPTION</b>		<b>SUBFIELD DESCRIPTION</b>	
Manufacturing, Engineering and Technology		Engineering and Related Design	
<b>UNIT STANDARD CODE</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
MET-ENG-0-SGB MC&I	Regular	Level 4	10

### Specific Outcomes:

#### **SPECIFIC OUTCOME 1**

Establish conditions for fault finding and repairing Analytical Equipment.

#### **SPECIFIC OUTCOME 2**

Diagnose faults in Analytical Equipment.

#### **SPECIFIC OUTCOME 3**

Repair Analytical Equipment.

#### **SPECIFIC OUTCOME 4**

Establish normal conditions after completion.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

## UNIT STANDARD:

4

## Fault find and repair Equipment associated with Final Control Elements

SAQA US ID		UNIT STANDARD TITLE	
116046		Fault find and repair Equipment associated with Final Control Elements	
SGB NAME		ABET BAND	PROVIDER NAME
SGB Measurement, Control and Instrumentation		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Manufacturing, Engineering and Technology		Engineering and Related Design	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
MET-ENG-0-SGB MC&I	Regular	Level 4	10

**Specific Outcomes:****SPECIFIC OUTCOME 1**

Establish conditions for fault finding and repairing Equipment associated with Final Control Element

**SPECIFIC OUTCOME 2**

Diagnose faults in Equipment associated with Final Control Elements.

**SPECIFIC OUTCOME 3**

Repair Equipment associated with Final Control Elements.

**SPECIFIC OUTCOME 4**

Establish normal conditions after completion.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

5

#### Fault find and repair Flow Equipment

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
116082	Fault find and repair Flow Equipment		
<b>SGB NAME</b>		<b>ABET BAND</b>	<b>PROVIDER NAME</b>
SGB-Measurement, Control and Instrumentation		Undefined	
<b>FIELD DESCRIPTION</b>		<b>SUBFIELD DESCRIPTION</b>	
Manufacturing, Engineering and Technology		Engineering and Related Design	
<b>UNIT STANDARD CODE</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
MET-ENG-0-SGB MC&I	Regular	Level 4	10

#### **Specific Outcomes:**

##### **SPECIFIC OUTCOME 1**

Establish conditions for fault finding and repairing Flow Equipment.

##### **SPECIFIC OUTCOME 2**

Diagnose faults in Flow Equipment.

##### **SPECIFIC OUTCOME 3**

Repair Flow Equipment.

##### **SPECIFIC OUTCOME 4**

Establish normal operating conditions after completion.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

## UNIT STANDARD:

6

## Fault find and repair Level Equipment

SAQA US ID		UNIT STANDARD TITLE	
116050		Fault find and repair Level Equipment	
SGB NAME		ABET BAND	PROVIDER NAME
SGB Measurement, Control and Instrumentation		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Manufacturing, Engineering and Technology		Engineering and Related Design	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
MET-ENG-0-SGB MC&I	Regular	Level 4	10

**Specific Outcomes:****SPECIFIC OUTCOME 1**

Establish conditions for fault finding and repairing Level Equipment.

**SPECIFIC OUTCOME 2**

Diagnose faults in Level Equipment.

**SPECIFIC OUTCOME 3**

Repair Level Equipment.

**SPECIFIC OUTCOME 4**

Establish normal operating conditions after completion.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

7

#### Fault find and repair Pressure Equipment

SAQA US ID		UNIT STANDARD TITLE	
116052		Fault find and repair Pressure Equipment	
SGB NAME		ABET BAND	PROVIDER NAME
SGB Measurement, Control and Instrumentation		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Manufacturing, Engineering and Technology		Engineering and Related Design	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
MET-ENG-0-SGB MC&I	Regular	Level 4	10

#### Specific Outcomes:

##### **SPECIFIC OUTCOME 1**

Establish conditions for fault finding and repairing Pressure Equipment.

##### **SPECIFIC OUTCOME 2**

Diagnose faults in Pressure Equipment.

##### **SPECIFIC OUTCOME 3**

Repair Pressure Equipment.

##### **SPECIFIC OUTCOME 4**

Establish normal conditions after completion.





## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

8

#### Fault find and repair Programmable Logic Controllers (PLC's)

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
116056	Fault find and repair Programmable Logic Controllers (PLC's)		
<b>SGB NAME</b>		<b>ABET BAND</b>	<b>PROVIDER NAME</b>
SGB Measurement, Control and Instrumentation		Undefined	
<b>FIELD DESCRIPTION</b>		<b>SUBFIELD DESCRIPTION</b>	
Manufacturing, Engineering and Technology		Engineering and Related Design	
<b>UNIT STANDARD CODE</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
MET-ENG-0-SGB MC&I	Regular	Level 4	10

#### **Specific Outcomes:**

##### **SPECIFIC OUTCOME 1**

Establish conditions for fault finding and repairing PLC Hardware.

##### **SPECIFIC OUTCOME 2**

Diagnose faults in PLC Hardware.

##### **SPECIFIC OUTCOME 3**

Repair PLC hardware.

##### **SPECIFIC OUTCOME 4**

Establish normal operating conditions after completion.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

9

#### Fault find and repair Temperature Equipment

SAQA US ID	UNIT STANDARD TITLE		
116068	Fault find and repair Temperature Equipment		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Measurement, Control and Instrumentation		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Manufacturing, Engineering and Technology		Engineering and Related Design	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
MET-ENG-0-SGB MC&I	Regular	Level 4	10

#### **Specific Outcomes:**

##### **SPECIFIC OUTCOME 1**

Establish conditions for fault finding and repairing Temperature Equipment.

##### **SPECIFIC OUTCOME 2**

Diagnose faults in Temperature Equipment.

##### **SPECIFIC OUTCOME 3**

Repair temperature equipment.

##### **SPECIFIC OUTCOME 4**

Establish normal operating conditions after completion.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

10

#### Maintain Specialized Sensing Devices

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
116059	Maintain Specialized Sensing Devices		
<b>SGB NAME</b>		<b>ABET BAND</b>	<b>PROVIDER NAME</b>
SGB Measurement, Control and Instrumentation		Undefined	
<b>FIELD DESCRIPTION</b>		<b>SUBFIELD DESCRIPTION</b>	
Manufacturing, Engineering and Technology		Engineering and Related Design	
<b>UNIT STANDARD CODE</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
MET-ENG-0-SGB MC&I	Regular	Level 4	15

#### **Specific Outcomes:**

##### **SPECIFIC OUTCOME 1**

Demonstrate an understanding of the principles of specialized sensing devices.

##### **SPECIFIC OUTCOME 2**

Plan to maintain specialized sensing devices.

##### **SPECIFIC OUTCOME 3**

Remove and install specialized sensing devices.

##### **SPECIFIC OUTCOME 4**

Calibrate specialized sensing devices.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

11

#### Maintain process control loops

SAQA US ID	UNIT STANDARD TITLE		
116042	Maintain process control loops		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Measurement, Control and Instrumentation		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Manufacturing, Engineering and Technology		Engineering and Related Design	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
MET-ENG-0-SGB MC&I	Regular	Level 4	10

#### **Specific Outcomes:**

##### ***SPECIFIC OUTCOME 1***

Establish conditions for maintaining Process Control Loops.

##### ***SPECIFIC OUTCOME 2***

Diagnose faults in Process Control Loops.

##### ***SPECIFIC OUTCOME 3***

Repair equipment in a Process Control Loop.

##### ***SPECIFIC OUTCOME 4***

Establish normal operating conditions after completion.

No. 877

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

**Furniture**

Registered by NSB 06, Manufacturing, Engineering and Technology, publishes the following unit standard for public comment.

This notice contains the titles, fields, sub-fields, NQF levels, credits, and purpose of the unit standard. The unit standards can be accessed via the SAQA web-site at [www.saqo.org.za](http://www.saqo.org.za). Copies may also be obtained from the Directorate of Standards Setting and Development at the SAQA offices, 1067 Arcadia Street, Hatfield Forum West, 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 Furniture** and addressed to

The Director: Standards Setting and Development  
SAQA

Attention: Mr. D Mphuthing

Postnet Suite 248

Private Bag X06

Waterkloof

0145

or faxed to 012 – 431-5144

e-mail: [dmphuthing@saqa.co.za](mailto:dmphuthing@saqa.co.za)



DR LOFFIE NAUDE

ACTING DIRECTOR: STANDARDS SETTING AND DEVELOPMENT



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

1

#### Carry out compressed air routines

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
115886	Carry out compressed air routines		
<b>SGB NAME</b>		<b>ABET BAND</b>	<b>PROVIDER NAME</b>
SGB Furniture		Undefined	
<b>FIELD DESCRIPTION</b>		<b>SUBFIELD DESCRIPTION</b>	
Manufacturing, Engineering and Technology		Manufacturing and Assembly	
<b>UNIT STANDARD CODE</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
MET-MNA-0-SGB FURN	Regular	Level 1	3

#### Specific Outcomes:

##### **SPECIFIC OUTCOME 1**

Prepare compressor for operation.

##### **SPECIFIC OUTCOME 2**

Prepare pneumatic attachments (tools) for operation.

##### **SPECIFIC OUTCOME 3**

Prepare workstation for operation of pneumatic tools.





## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

2

#### Carry out instructions on cutting lists and routing sheets

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
115885	Carry out instructions on cutting lists and routing sheets		
<b>SGB NAME</b>		<b>ABET BAND</b>	<b>PROVIDER NAME</b>
SGB Furniture		Undefined	
<b>FIELD DESCRIPTION</b>		<b>SUBFIELD DESCRIPTION</b>	
Manufacturing, Engineering and Technology		Manufacturing and Assembly	
<b>UNIT STANDARD CODE</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
MET-MNA-0-SGB FURN	Regular	Level 1	3

#### Specific Outcomes:

##### **SPECIFIC OUTCOME 1**

Select materials according to cutting list requirements.

##### **SPECIFIC OUTCOME 2**

Position materials according to cutting list requirements.

##### **SPECIFIC OUTCOME 3**

Relocate materials and components according to routing instructions.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

3

### Contribute effectively and safely to basic assembly operations

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
115887	Contribute effectively and safely to basic assembly operations		
<b>SGB NAME</b>		<b>ABET BAND</b>	<b>PROVIDER NAME</b>
SGB Furniture		Undefined	
<b>FIELD DESCRIPTION</b>		<b>SUBFIELD DESCRIPTION</b>	
Manufacturing, Engineering and Technology		Manufacturing and Assembly	
<b>UNIT STANDARD CODE</b>	<b>UNIT STANDARD TYPE</b>	<b>NQF LEVEL</b>	<b>CREDITS</b>
MET-MNA-0-SGB FURN	Regular	Level 1	3

#### Specific Outcomes:

##### **SPECIFIC OUTCOME 1**

Prepare work area for basic assembly.

##### **SPECIFIC OUTCOME 2**

Assemble components safely and correctly.

##### **SPECIFIC OUTCOME 3**

Move and stack components and assembled items.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

4

#### Contribute to finishing preparation operations

SAQA US ID	UNIT STANDARD TITLE		
115888	Contribute to finishing preparation operations		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Furniture		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Manufacturing, Engineering and Technology		Manufacturing and Assembly	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
MET-MNA-0-SGB FURN	Regular	Level 1	3

#### **Specific Outcomes:**

##### **SPECIFIC OUTCOME 1**

Move and stack workpieces.

##### **SPECIFIC OUTCOME 2**

Prepare work area and equipment.

##### **SPECIFIC OUTCOME 3**

Prepare workpiece and surfaces.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

5

#### Contribute to machine shop operations

SAQA US ID		UNIT STANDARD TITLE	
115889		Contribute to machine shop operations	
SGB NAME		ABET BAND	PROVIDER NAME
SGB Furniture		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Manufacturing, Engineering and Technology		Manufacturing and Assembly	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
MET-MNA-0-SGB FURN	Regular	Level 1	3

#### Specific Outcomes:

##### **SPECIFIC OUTCOME 1**

Select materials for machining.

##### **SPECIFIC OUTCOME 2**

Organise and position materials for machining.

##### **SPECIFIC OUTCOME 3**

Stack and store machined components.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

## UNIT STANDARD:

6

## Contribute to product packaging and material handling

SAQA US ID	UNIT STANDARD TITLE		
115890	Contribute to product packaging and material handling		
SGB NAME	ABET BAND	PROVIDER NAME	
SGB Furniture	Undefined		
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Manufacturing, Engineering and Technology		Manufacturing and Assembly	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
MET-MNA-0-SGB FURN	Regular	Level 1	3

**Specific Outcomes:****SPECIFIC OUTCOME 1**

Confirm items and components for packaging and storage.

**SPECIFIC OUTCOME 2**

Pack and store items and components.

**SPECIFIC OUTCOME 3**

Maintain availability and condition of materials.



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

7

#### Participate in preparation for upholstery operations

SAQA US ID	UNIT STANDARD TITLE		
115891	Participate in preparation for upholstery operations		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Furniture		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Manufacturing, Engineering and Technology		Manufacturing and Assembly	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
MET-MNA-0-SGB FURN	Regular	Level 1	3

#### Specific Outcomes:

##### **SPECIFIC OUTCOME 1**

Select materials for upholstery operations.

##### **SPECIFIC OUTCOME 2**

Select equipment and tools for upholstery operations.

##### **SPECIFIC OUTCOME 3**

Prepare workstation for upholstery operations.



No. 878

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

**Building Construction**

Registered by NSB 12, Physical Planning and Construction, publishes the following unit standards for public comment.

This notice contains the titles, fields, sub-fields, NQF levels, credits, and purpose of the unit standards upon which qualifications are based. The full 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 West, 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 Building Construction** and addressed to

The Director: Standards Setting and Development  
SAQA

*Attention: Mr. D Mphuthing*

Postnet Suite 248

Private Bag X06

Waterkloof

0145

or faxed to 012 – 431-5144

e-mail: [dmphuthing@saga.co.za](mailto:dmphuthing@saga.co.za)



DR LOFFIE NAUDE

ACTING DIRECTOR: STANDARDS SETTING AND DEVELOPMENT



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### UNIT STANDARD:

1

### Understand and apply business finances

SAQA US ID	UNIT STANDARD TITLE		
9989	Understand and apply business finances		
SGB NAME		ABET BAND	PROVIDER NAME
SGB Building Construction		Undefined	
FIELD DESCRIPTION		SUBFIELD DESCRIPTION	
Physical Planning and Construction		Building Construction	
UNIT STANDARD CODE	UNIT STANDARD TYPE	NQF LEVEL	CREDITS
PPC-BUC-0-SGB BC	Regular	Level 2	2

### Specific Outcomes:

#### **SPECIFIC OUTCOME 1**

Identify bookkeeping and financial documents.

#### **SPECIFIC OUTCOME 2**

Understand business financial documents.

#### **SPECIFIC OUTCOME 3**

Determine cash flow from financial documents with assistance from an accountant.

#### **SPECIFIC OUTCOME 4**

Determine the organizations financial status from the various financial documents with the assistance of an accountant.

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

The Director: Standards Setting and Development  
SAQA

*Attention: Mr. D Mphuthing*

Postnet Suite 248

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DR LOFFIE NAUDE

ACTING DIRECTOR: STANDARDS SETTING AND DEVELOPMENT



## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### QUALIFICATION:

#### *National Certificate: Maritime Operations*

SAQA QUAL ID	QUALIFICATION TITLE	
48535	National Certificate: Maritime Operations	
SGB NAME	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 SAMSA 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; Port; 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 establishes 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

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
115072	Identify current legislative and company procedures applicable to the Fishing Industry		
<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 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

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
114025	Identify current legislative and company procedures applicable to the maritime industry		
<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 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.





## 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: *ibest*

10

Apply seamanship skills and techniques when operating a small vessel

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
113999	Apply seamanship skills and techniques when operating a small 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	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.



Established in terms of Act 58 of 1995

## 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

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
114009	Carry out maritime communications		
<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	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

SAQA US ID	UNIT STANDARD TITLE		
113998	Carry out rigging operations 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**

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

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
114001	Carry out safety, survival and emergency procedures		
<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	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**

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
114003	Carry out watch keeping duties in the engine room at sea and in port		
<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	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

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
114006	Follow safe deck practices on a commercial 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	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

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
113993	Maintain, prepare, deploy and retrieve crayfish traps to land catch		
<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	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

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
114005	Maintain, prepare, deploy and retrieve fishing nets to land catch		
<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**

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**

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
113988	Maintain, prepare, deploy and retrieve lines and long lines to land catch		
<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	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-TOL-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

<b>SAQA US ID</b>	<b>UNIT STANDARD TITLE</b>		
113981	Arrange and complete lifts on site using lifting equipment		
<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 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.

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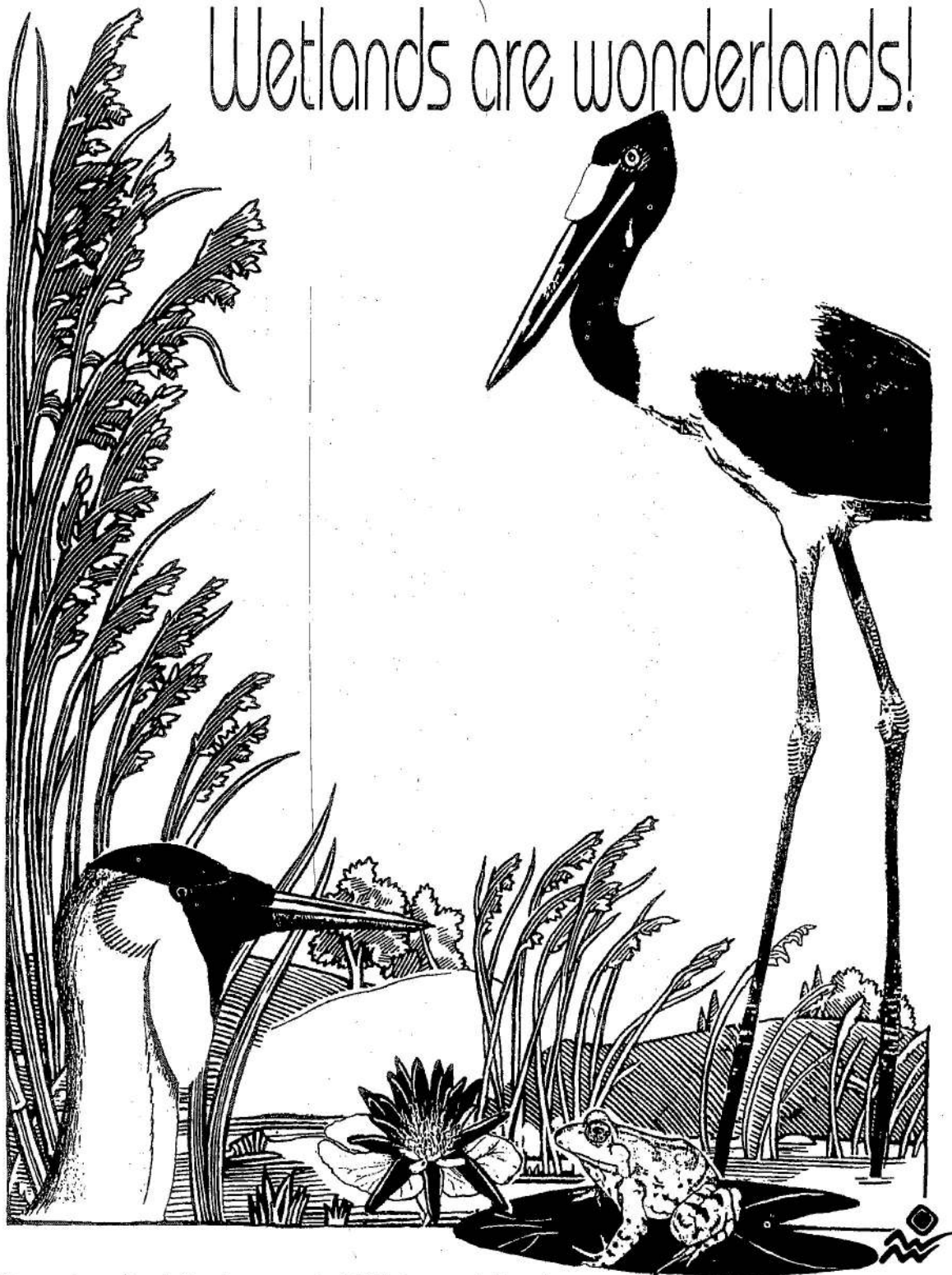
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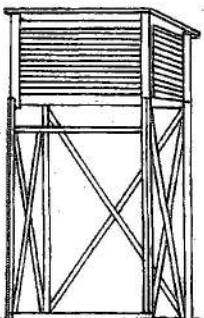
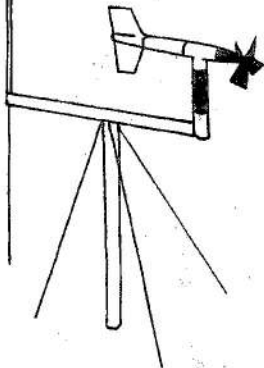
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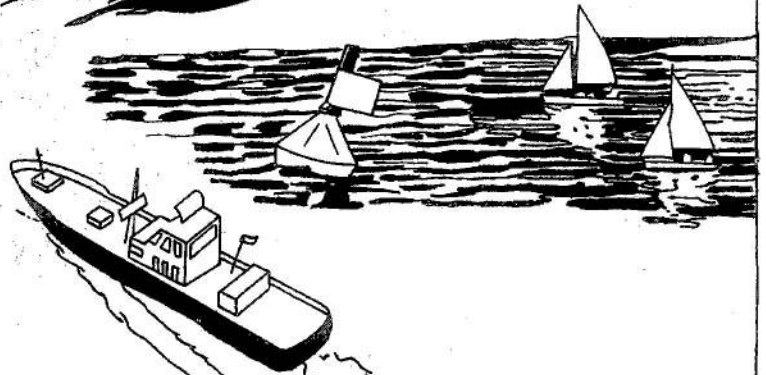
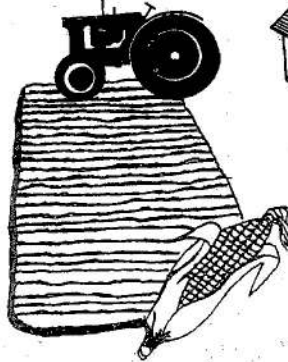
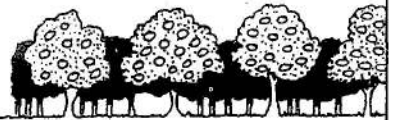
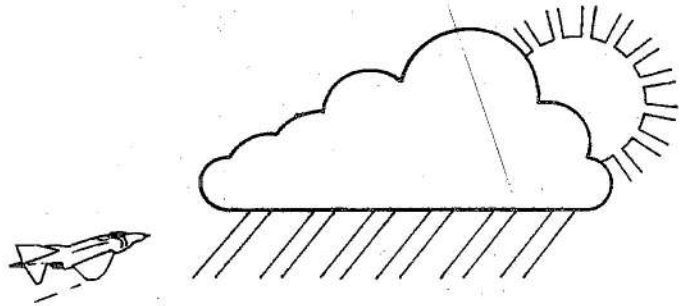


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