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**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

**Military Professional Development**

Registered by NSB 08, Law, Military Science and Security, publishes the following qualifications for public comment.

This notice contains the titles, fields, sub-fields, NQF levels, credits, and purpose of the qualifications. The full qualification 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, Pretoria.

Comment on the unit standards should reach SAQA at the address ***below and no later than 28 November 2004***. All correspondence should be marked **Standards Setting – Military Professional Development** and addressed to

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## SOUTH AFRICAN QUALIFICATIONS AUTHORITY

### QUALIFICATION:

#### *National Certificate: Military Studies*

SAQA QUAL ID	QUALIFICATION TITLE		
49106	National Certificate: Military Studies		
SGB NAME	SGB Military Professional Development		
NSB ACRONYM	PROVIDER NAME		
NSB 08			
QUAL TYPE	SUBFIELD		
National Certificate	Sovereignty of the State		
ABET BAND	MINIMUM CREDITS	NQF LEVEL	QUALIFICATION CLASS
Undefined	120	Level 5	Regular-ELOAC

### PURPOSE OF THE QUALIFICATION

This qualification is aimed at level 5 of the National Qualifications Framework. The qualification equips learners with basic knowledge, attitudes and skills required to function as well developed junior officers. The programme encompassed by the CMS therefore aims to:

- > Contribute to and facilitate professional and personal growth by establishing a firm Education, Training and Development foundation for learners who, on attaining the certificate, may be awarded further contracts and functional training for their further military careers.
- > Provide a comprehensive, well rounded education in an applicable focus area, enabling successful candidates to effectively function on his/her applicable level in the national security environment and to assist his/her commanders / managers in the SANDF in such matters.
- > Provide such depth in a specific sub-discipline to successful candidates that they may gain access to further studies in the focus area.

### Rationale

This qualification serves as a first Level 5 (Higher Education) qualification in the career path of officers in the South African National Defence Force (SANDF). While providing learners with foundational knowledge, skills and attitudes in fields of study relevant to the military, the qualification also equips learners with a transferable competence facilitating articulation to further studies and transferable skills and attitudes that will contribute to improving the quality of the body of South African citizens in general.

### Detailed Rationale

The Department of Defence Human Resources Strategy 2010 (Defence Instruction: DODI:POL & PLAN 52/2001) envisage three career systems associated with stages in the career of all uniform personnel, namely: the Military Skills Development System (MSDS), a national imperative initiated by Parliament; the Core Service System (CSS) and the Senior Career System (SCS). Accordingly, "MSD members are enlisted into the Regulars where they will undergo full-time training and utilisation for a two-year period". The ETD plan for MSD members selected for the officers corps is as follow:

First Year MSD Service. During the first year of service, MSD members undergo military/ functional training. Members from this group selected for officers training will commence with developmental training in the functional environment. The successful completion of this training will serve as organisational/provider prerequisites for access to the CMS.

Second Year MSD Service. Candidate Officers and Midshipmen are expected to complete the CMS during the second year of MSD service, while stationed at the Military Academy. The Military Academy as provider will apply provider discretion in its interpretation of the client's (SANDF) requirements.

Career Path on Completion of the CMS. The career path for successful candidates indicate that they may be awarded further contracts to their further military careers in one of the following systems:

- > Core Service System. Selected candidates will gain access to the CSS, continuing with functional training. From these candidates, a limited number will be selected to continue with degree studies at the Military Academy.
- > Reserve. Members not selected for the CSS will be released to the Reserve for a period of 5 years after attaining the certificate with transferable skills and attitudes that will improve the quality of the human resources available to the Reserve in particular and the body of South African citizens in general.

From the above it must be clear that the need for the qualification is specifically linked to the SANDF's career development requirements for better and broader qualified officers. Successful learners will also be equipped with transferable knowledge, skills and attitudes that will improve the quality of the human resources available to the SANDF in particular and the body of South African citizens in general.

The above implies that learners will experience further development as officers while also acquiring competencies in an applicable sub-discipline related to one or more of the Degree Programmes presented at the Military Academy in its capacity as Faculty of Military Science (registered, accredited provider with the Council for Higher Education/HEQC). The transferable knowledge, skills and attitudes acquired by the learner will facilitate articulation to degree studies in a related direction. Successful learners may (pending the number and combination of elective successfully completed) gain access to the second year of degree studies in an applicable direction at any/most South African universities.

Typical Range of Learners. The typical range of learners is restricted to Candidate Officers, Midshipmen and selected junior officers not previously exposed to the learning opportunity [as required by the SANDF], to include potential learners from other defence forces from countries with which co-operation exist, eg SADEC countries. The qualification was developed with the career requirements of the specific learner group in mind.

Envisaged Learner Enrolment. Learner numbers are subject to the need, decision and recruitment by the SANDF. The maximum number of 220 learners per annum is expected to enrol for the Certificate in Military Studies.

#### Mode

The CMS will be attainable through residential studies only.

#### **RECOGNIZE PREVIOUS LEARNING?**

Y

#### **LEARNING ASSUMED TO BE IN PLACE**

The learner will have the appropriate levels of communication, English proficiency, numeric and occupational competence equivalent to grade 12 (NQF 4) standards.

#### Recognition Of Prior Learning

Prior learning may be recognised in gaining access to the qualification, with regard to exit level outcomes, as well as the whole qualification. RPL must be done by qualified assessors and treated in accordance with the moderation options.

#### **QUALIFICATION RULES**

N/A

#### **EXIT LEVEL OUTCOMES**

1.  
Qualifying learners will be able to use appropriate grammar conventions to draft and edit a written or electronically produced academic text, free of bias and rhetoric in a diverse English-speaking environment.
2.  
Qualifying learners will possess the appropriate knowledge, and skills to effectively use, and have a clear realisation of the potential of Information Technology in a tertiary environment.
3.  
Qualifying learners will have the applicable, generic military knowledge, skills and attitudes required of a professional officer in the SANDF.
4.  
Qualifying learners will the basic knowledge, skills and attitudes associated with practicing industrial psychology on an introductory level.
5.  
Qualifying learners will have the relevant, skills and attitudes necessary to compile, manage and defend defence budgets in compliance with the Public Financial Management Act.
6.  
Qualifying learners will possess basic managerial knowledge, skills and attitudes to function in the public service.
7.  
Qualifying learners will possess advanced knowledge, skills and attitudes to perform the functions of management on appropriate levels as managers.
8.  
Qualifying learners will posses the applicable, skills and attitudes to understand the spatial nature of the human-environment interaction (air-, land- or sea- realm) enabling him/her to utilise this understanding to inform military decision-making and the tactical application of systems.
9.  
Qualifying learners will have the applicable knowledge and demonstrate the skills and attitudes to understand and explain, from an historical perspective, the causes, courses and consequences of wars, the evolution of warfare and the interaction between war and society in general, as well as from an African perspective, enabling them to view African security issues in context.
10.  
Qualifying learners will have the applicable knowledge and demonstrate the skills and attitudes to comprehend and explain the idea systems, dynamics, processes, institutions, structures and role-players in the national and international political arena with which students of politics are generally grappling, enabling him/her to better understand and function in the African security environment.
- 11.

Qualifying learners will have the relevant knowledge and demonstrate the skills and attitudes necessary to effectively apply the principles of Criminal and Military Law in a military environment.

12.

Qualifying learners will have the ability to critically read, appreciate, analyse and integrate fictional and non-fictional English texts within a South African academic-cultural environment.

13.

Qualifying learners will have the appropriate knowledge of Micro- and Macroeconomics to understand, interpret and analyse basic economic problems.

14.

Qualifying learners will have the appropriate knowledge, skills and attitudes required to apply the fundamental principals of financial accounting systems and the paper recording of financial transactions.

15.

Qualifying learners will possess the appropriate knowledge, skills and attitudes to make statistically grounded decisions.

16.

Qualifying learners will possess the appropriate knowledge and show the skills and attitudes to utilise information systems to assist in making management decisions and solve problems.

17.

Qualifying learners will possess the applicable knowledge and demonstrate the skills to understand simple technology in terms of the laws of natural science.

18.

Qualifying learners will possess the applicable knowledge and skills to use advanced mathematical techniques and principles in a military technology environment.

OR

Qualifying learners will possess the applicable knowledge and skills to use basic mathematical content and principles in a military technology environment - (lesser depth and intensity).

19.

Qualifying learners will possess the basic knowledge and demonstrate the skills and attitudes to use computers as instrument in information systems.

20.

(Sec Law) Qualifying learners will have the applicable knowledge and demonstrate the skills and attitudes to effectively apply the principles of Security Law.

Critical Cross-Field Outcomes

Providers and assessors should use a range of strategies that will allow learners to develop and demonstrate competence in Critical Cross-field Outcomes.

#### **ASSOCIATED ASSESSMENT CRITERIA**

1.

- > Identify rhetorical devices employed by skilled writers/speakers.
- > Employ reading strategies appropriate to the identification of bias and rhetoric in writing and speech.
- > Analyse and evaluate texts produced for a range of purposes, audiences and contexts.

- > Demonstrate ability to identify and explain concepts particular to the logical and unbiased presentation of text.
- > Demonstrate ability to produce argumentative texts relatively free of bias and rhetoric.
- > Demonstrate ability to evaluate the effects of content, language and style on readers' responses in specific texts.
- > Identify the intended audience for the written communication.
- > Demonstrate ability to select appropriate text type, format and layout for specific purposes.
- > Demonstrate ability to apply appropriate grammar conventions.
- > Demonstrate ability to draft, edit, and check written text for accuracy.
- > Demonstrate ability to apply English in an academic environment.

2.

- > Demonstrate ability to do word-processing, work on spreadsheets, develop and use presentations, perform Internet searches do e-mail transactions and master system related software.
- > Demonstrate knowledge (on an introductory level) of fundamental computer concepts, essential hard- and software components, web-design, computer security issues and virus control.
- > Demonstrate understanding (on an introductory level) of operating systems, communication technology, software installation and document management.

3.

- > Demonstrate understanding of and compliance with the value system and civic duties expected of professional officers and citizens in a democracy.
- > Demonstrate and apply advanced knowledge of the Conventions of Service Writing in the SANDF.
- > Demonstrate knowledge and a concise understanding of the history of the military in South Africa.
- > Demonstrate an understanding of the requirements expected from the officer in the profession of arms.
- > Demonstrate knowledge and ability to function on the appropriate regimental level required of an officer in a military unit.
- > Demonstrate knowledge and ability to use service weapons safely and effectively.
- > Demonstrate understanding of the factors contributing to personal financial well being.

4.

- > Demonstrate understanding of the schools of thought and areas in Industrial Psychology.
- > Demonstrate understanding on the human physical dimensions.
- > Demonstrate understanding of the human psychological dimensions.
- > Demonstrate understanding of the theoretical perspectives on personality.

5.

- > Demonstrate understanding of the fundamental principles of public finance.
- > Demonstrate understanding of the Legislature, Executive Authority and Administrative Authority in public financial management.
- > Demonstrate understanding of Public Revenue.
- > Demonstrate understanding of Public Budgets.

6.

- > Demonstrate understanding of the structure of an organisation in general and the public service and it's functioning specifically.
- > Demonstrate understanding that an organisation does not function in isolation.
- > Demonstrate understanding of the different environments an organisation functions in.
- > Demonstrate understanding of the different functional areas in an organisation.
- > Demonstrate understanding of the public service's unique/distinguishable features.
- > Demonstrate understanding that public officials must act in accordance with acknowledged ethical foundations.
- > Demonstrate understanding of the evolution of public management theory.
- > Demonstrate understanding of the functions of a public manager.

7.

Demonstrate knowledge and managerial ability to reach objectives effectively and efficiently through planning, organising, leading and control.

8.

Air Realm

> Demonstrate the knowledge and ability to apply aeronautical theory.

OR

Land Realm

> Demonstrate understanding of the nature of geography, the intellectual challenges of the discipline and the logical relationships between the different sections of the discipline.

> Demonstrate understanding of the processes and the relationships between the physical components of the earth and nature in which these relationships influence human activity.

> Demonstrate understanding and ability to apply the principles of geographical communication and diagram construction by analysing and interpreting maps and presenting geographical information in a graphical format.

OR

Sea Realm

> Demonstrate knowledge and ability to navigate along the coast and in the deep sea (planning and execution of passages).

> Demonstrate understanding of the natural environment in which sea vessels operated.

> Demonstrate the skill to construct sea charts and calculate distances on the surface of the earth.

9.

> Analyse the causes, courses and consequences of wars and can explain these with reference to particular case studies.

> Analyse the reciprocal interactions between war and society and can explain this with reference to particular case studies.

> Analyse the evolution of warfare and can explain this process.

> Analyse the origin and nature of conflict in Africa to 1945 and can explain this with reference to particular case studies.

> Analyse African security issues within the international and Southern African environments and can explain the origin and contexts of these issues.

10.

> Demonstrate understanding and comprehension of the meaning and functioning of politics; states; governments; political ideologies and ideas; governmental systems - especially in the South African and African context.

> Demonstrate understanding of the different processes, systems and institutions used to put political ideas into practice - especially in the South African and African context.

> Demonstrate understanding of civil-military relations with reference to the interaction between the military, the state and non-state actors, and comprehend the role and place of the military in a democracy.

> Demonstrate understanding of the concept of international relations from a theoretical perspective, and comprehend the different role-players and structures in the international system.

11.

> Demonstrate the ability to act as presiding officers and assessors in military courts.

> Demonstrate the ability to recognise, interpret and apply the general principles of Criminal Law.

> Demonstrate the ability to recognise, interpret and apply the general principles of Law of Evidence.

> Demonstrate the ability to recognise, interpret and apply the general principles of Military Law.

> Demonstrate the ability to recognise, interpret and apply the rules of International Humanitarian Law in peace- as well as belligerent times.

> Demonstrate the ability to recognise, interpret and apply the rules of Operational Law in peace- as well as belligerent times.

> Demonstrate the ability to perform their duties in a legally accountable manner.

12.

- > Demonstrate ability to explore literary genres.
- > Demonstrate ability to employ reading strategies appropriate to different genres.
- > Demonstrate ability to integrate text.
- > Demonstrate ability to produce analyse and evaluate text for a range of purposes, audiences and contexts.
- > Demonstrate sensitivity for text related to contemporary South African society the environment in which learning takes place.
- > Demonstrate the ability to produce text that speaks of objectivity, critical thought, factual accuracy and grammatical care.

13.

- > Demonstrate understanding of economic systems.
- > Demonstrate understanding of the theories of demand and supply.
- > Demonstrate understanding of market interventions by government.
- > Demonstrate understanding of the four-sector macroeconomic model.
- > Demonstrate understanding of unemployment and inflation.
- > Demonstrate understanding of the gains from free international trade.
- > Demonstrate understanding of the balance of payments and the exchange rate.

14.

- > Demonstrate understanding of the nature and function of accounting.
- > Demonstrate understanding of and ability to apply the double entry system.
- > Demonstrate understanding of and ability to apply accounting systems and the processing of accounting information.
- > Demonstrate understanding of trade stock and calculating profit.
- > Demonstrate understanding of and ability to do bank reconciliation, cash budgets, accounting assets and liabilities and drafting financial statements.
- > Demonstrate understanding of non-profit organisations.
- > Demonstrate understanding of and ability to analyse and interpret accounting data.

15.

- > Demonstrate the ability to calculate and present descriptive statistics.
- > Demonstrate the ability to distinguish between different statistical inference techniques.
- > Demonstrate the ability to apply and interpret statistical techniques correctly.

16.

- > Demonstrate understanding of modern information systems by systematically identifying appropriate opportunities.
- > Demonstrate the ability to optimally utilise information systems to secure a competitive advantage.
- > Demonstrate understanding of the value chain, competitive forces and system planning methodologies and the application thereof.
- > Demonstrate the ability to plan, organise, lead and control information systems and end-user computing in a rapidly advancing technological environment.
- > Demonstrate understanding of security and ethical issues of information systems.

17.

- > Demonstrate understanding of what a law of nature is.
- > Demonstrate the ability to identify and define quantities represented in a law of nature.
- > Demonstrate the ability to formulate laws of nature in words and mathematically.
- > Demonstrate the ability to translate a word problem into mathematical format.
- > Demonstrate the ability to verify a law of nature practically.
- > Demonstrate the ability to analyse a system and determine which laws of nature are applicable.
- > Demonstrate the ability to solve problems using differential mathematics/algebra at an introductory level.



- > Demonstrate the ability to use the laws of nature to forecast quantitatively the behaviour of systems.
- > Demonstrate the ability to understand and solve simple mechanical, electrical and thermo dynamical problems.

18.

- > Demonstrate the ability to comprehend basic principles and concepts of mathematics.
- > Demonstrate the ability to utilise mathematical knowledge (unique to the contents studied) and skills in new situations.
- > Demonstrate the ability to use techniques of calculus to solve scientific problems relating to differentiation and integration.
- > Demonstrate the knowledge and use of analytical, numerical and graphical techniques of calculus.
- > Demonstrate the ability to create and solve systems of linear equations from real statements..
- > Demonstrate the ability to relate mathematics to other subject disciplines.
- > Demonstrate the ability to think in abstract terms when solving mathematical related problems.
- > Demonstrate the ability to construct a mathematical model to simulate a situation and to obtain the solution.
- > Demonstrate the ability to generate mathematical expressions from experimental data.

19.

- > Demonstrate the ability to develop basic computer programs in a fourth generation programming language.
- > Demonstrate knowledge of the principles of software engineering and programming by applying these principles in developing computer information systems.

20.

- > Identify and interpret the general principles of Public International Law.
- > Identify, interpret and apply, in practice, the rules and principles of Operational Law.

#### Integrated Assessment

Assessors should use a range of strategies that will allow learners to demonstrate competence and apply theoretical knowledge and understanding without them being required to actually engage in the occupational activities, culminating in a written-, practical- or combination of written and practical assessment covering the entire outcome. The different outcomes associated with the Focus Areas should support and supplement the other providing insight into interdependency and opportunity for integrated assessment. While assessments should focus on the specific outcome to be achieved, assessing the learners insight and understanding on a broad, integrated base within the Focus Areas should be integrated into assessments.

#### INTERNATIONAL COMPARABILITY

While Military Academies in other countries do provide similar/related qualifications, the CMS is a career specific requirement of the SANDF. Consultation and benchmarking with regard to outcomes and the relevance and contents of Focus Areas are constantly under discussion when considering officer development. The CMS is a qualification aimed at empowering military officers for a career in the African security environment. Contents, context and influences as applicable to the African context therefore receive priority.

#### ARTICULATION OPTIONS

Articulation on entry. Prospective learners who did not meet all the requirements as stipulated in Access to the Qualification, but who have the necessary study potential, may gain access to the CMS through successful completion of the Preparatory Certificate in Military Studies programme.

Articulation during the programme. None.

Articulation on completion. Successful candidates may, on approval of a further contract of employment and a related study contract with the SANDF, articulate to the second year of the applicable focus area offered by the Faculty of Military Science. (Learners may be required to prove competence in additional Exit Level Outcomes before or during enrolment.) An academic record issued by the Stellenbosch University in support of the Certificate, indicating credits acquired on 1st Year degree studies outcomes may support access to the 2nd year level at other universities.

#### **MODERATION OPTIONS**

One or more external moderators should moderate learner results. They should report on standard of achievement, validity of assessment strategies and criteria in relation to the purpose and exit level outcomes of the qualification.

#### **CRITERIA FOR THE REGISTRATION OF ASSESSORS**

Assessors must comply with the requirements for assessors as stipulated by the Council for Higher Education (assessors in public higher education institutions) and/or be qualified as assessors as stipulated by the ETDQA.

#### **NOTES**

N/A

#### **UNIT STANDARDS**

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

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