



COMMISSION OF INQUIRY INTO CRIMINALITY,
POLITICAL INTERFERENCE AND CORRUPTION
IN THE CRIMINAL JUSTICE SYSTEM



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INDEX TO ANNEXURES

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Amapolisa Omzantsi Africa

Reference	[REDACTED]
Enquiry Navrae:	Case Admin Commander Captain M.X Ndlovu
Phone	[REDACTED]
Email	[REDACTED]

Forensic Science Laboratory
FORENSIC SCIENCE LABORATORY
415 KINSWAY ROAD
AMANZIMTOTI
4126

DATE: 2024/12/30

The Commanding Officer

SANDTON S.A.P.S

FORENSIC BALLISTIC INVESTIGATION WITH REFERENCE TO:

STATION AND REFERENCE : SANDTON CAS [REDACTED] ORLANDO CAS 93/02/2023, ORLANDO
CAS [REDACTED] AND BRAMLEY CAS [REDACTED]

CRIME/SUBJECT : MURDER AND POSSESSION OF UNLICENCED FIREARMS

INVESTIGATING OFFICER : SERGEANT MBELE

1. Find attached a sworn statement of the expert with reference to abovementioned case.
2. The exhibit/s mentioned in paragraph/ paragraph 4.1.1 to 4.1.7, 4.2.1, 4.2.2, 5.1 to 5.7, 6.1 to 6.3, 7.1.1 to 7.1.8 and 7.2.1 to 7.2.4 are kept for safe keeping at this laboratory.
3. ~~The exhibit/s mentioned in paragraph/ must be collected at this laboratory.~~
4. The exhibit/s / test/s which is/are used for microscopic examination is/are continuously compared with unsolved cases on record and should a positive connection be made, an additional affidavit to this effect will be issued.
5. Refer to abovementioned lab number and entry number for any further enquiries and or correspondence.
6. Correct addresses speed up and ease the correspondence process. You are welcome to contact the forensic science laboratory with any further problems and or queries.
7. Should a specialist be required to give evidence in court, the subpoena should contain the relevant lab number, station reference number, name of prosecutor and contact number.
8. Please be informed that when a duplicate report is required, such a request must be forwarded in writing to this office from your Unit Commander.

CAPTAIN

BALLISTICS ANALYSIS
S.K MODISANE

AFFIDAVIT IN TERMS OF SECTION 212 OF THE CRIMINAL PROCEDURE ACT, 1977
(ACT 51 OF 1977) (AS AMENDED)

SOLOMON KGOTLAETSILE MODISANE declares under oath, in accordance with Section 212 subsection (4) (a) and (8) (a) of the Criminal Procedure Act, Act 51 of 1977 (as amended), as follows:

1.

I number [REDACTED] am a **Captain** in the South African Police Service at the Forensic Science Laboratory, 270 Pretoria Road, Silverton and telephone number [REDACTED]. I am a Senior Forensic Analyst, and I am in the service of the State.

2.

I have been attached to the Ballistics Section since 2008 as an examiner of Forensic Ballistics with the following qualifications and experience:

2.1 Academic qualifications:

2.1.1 I obtained a National Diploma in Policing from the Tshwane University of Technology in 2005.

2.1.2 I obtained a Diploma in Digital and Analogue Electronics from the NECSA College in 2001.

2.2 I have to date examined the excess of 3770 cases. I examine Ballistics related cases as part of my daily task and testify on a regular basis in the courts of South Africa.

2.3 I have attended the following internal and external training interventions:

2.3.1 Identification of ammunition, fired bullets and fired cartridge cases.

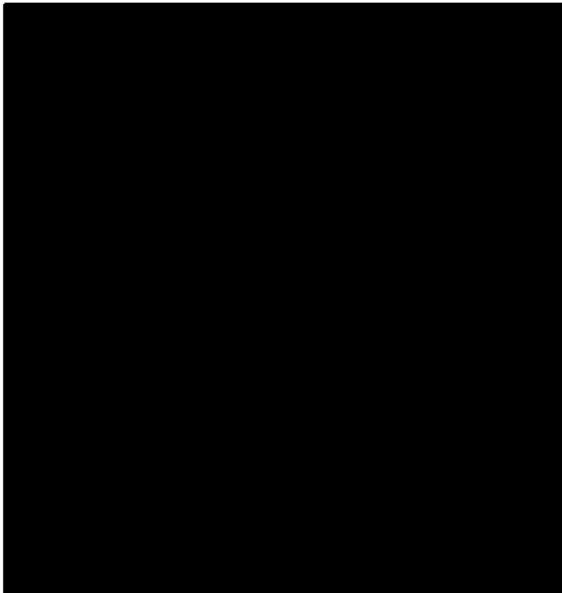
2.3.2 The use of microscopic equipment.

2.3.3 Microscopic individualization of firearms, ammunition, fired bullets, fired cartridge cases, tools and toolmarks.

2.3.4 Acquisition of fired cartridge case and fired bullet data on Integrated Ballistics Identification System (IBIS).

mf

[Signature]

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- 2.3.5 Physical matching.
- 2.3.6 Identification of firearms.
- 2.3.7 The examination of firearm mechanisms.
- 2.3.8 The different manufacturing processes of firearms and firearm components.
- 2.3.9 The examination of home-made devices.
- 2.3.10 Techniques associated with the recovering and restoration processes of obliterated alpha-numeric figures on metals.
- 2.3.11 Micro photography.
- 2.3.12 Shot range determination.
- 2.3.13 Crime scene investigation and examination techniques.
- 2.3.14 Documentation of examination results.
- 2.3.15 INTERNAL FORENSIC BALLISTICS**
- 2.3.15.1 Functioning of firearm mechanisms during the firing process.
- 2.3.15.2 Burning rates of propellant powder and gas pressure.
- 2.3.15.3 The transfer of marks by the firearm to cartridges, fired cartridge cases and fired bullets.
- 2.3.16 INTERMEDIATE FORENSIC BALLISTICS**
- 2.3.16.1 The effect that hot gasses, propellant powder and partially burnt propellant powder has on an intermediate target, before and after the exit of a bullet from the muzzle.
- 2.3.16.2 The forming and effect of secondary missiles caused by intermediate targets.
- 2.3.17 EXTERNAL FORENSIC BALLISTICS**
- 2.3.17.1 The trajectory of the bullet from the muzzle of the firearm to the final point of impact.

my



2.3.18 TERMINAL FORENSIC BALLISTICS

2.3.18.1 The wounding effect that the bullet has on tissue (Wound Ballistics).

2.3.18.2 The effect that the bullet has on the target.

2.3.18.3 The effect that the target has on the bullet.

2.3.19 I received in-service training in the physical matching of the following:

2.3.19.1 Bones, tusks, horns, hides and skulls.

2.3.20 I received in-service training in the examination of brand marks and tattoo marks on animals.

2.3.21 I visited the following Animal Identification Mark manufacturers and Tannery:

2.3.21.1 SAVET (Pretoria).

2.3.21.2 Tal-Tec (Brits).

2.3.21.3 Oasis Tannery (Randfontein).

2.4 I visited the following firearm and ammunition manufacturers to ascertain the processes that are used in the manufacturing of firearms and ammunition.

2.4.1 Pretoria Metal Pressings.

2.5 I obtained a certificate in crime scene reconstruction and blood stain pattern analysis from BEVEL, GARDNER AND ASSOCIATES Inc. of the United States of America in 2012.

2.6 I obtained a certificate in virtual crime scene reconstruction from BEVEL, GARDNER AND ASSOCIATES Inc. of the United States of America in 2013.

2.7 I obtained a certificate in advanced shooting incident reconstruction from BEVEL, GARDNER AND ASSOCIATES Inc. of the United States of America in 2013.

2.8 I obtained a certificate in advanced blood stain pattern analysis from BEVEL, GARDNER AND ASSOCIATES Inc. of the United States of America in 2014.

my



2.9 INTERNATIONAL TRAINING

2.9.1 I visited the LEICA MICROSSYSTEMS Company in Germany to ascertain the manufacturing process of Microscopes and received the following training.

2.9.2 Instrument operations and basic maintenance of LEICA comparison microscope.

2.9.3 Basic problem solving on equipment, verification on calibration status and LAS Software operating and training.

3.

On 30 December 2024 during the performance of my official duties I received a request letter from Case Administration of the Ballistics Section to inter-compare the exhibits as per SANDTON CAS [REDACTED] LAB 598202/2022, ORLANDO CAS [REDACTED] LAB 76534/2023, ORLANDO CAS [REDACTED] LAB 198519/2022 and BRAMLEY CAS [REDACTED] LAB 469673/2024.

4.

On 30 December 2024 during the performance of my official duties I found in a case file with LAB 598202/2022 SANDTON CAS 398/11/2022 two intact sealed evidence bags marked *inter alia* SANDTON CAS 398/11/2022 B3 and B5. I opened the bags and found the following:

4.1 **INTACT SEALED EVIDENCE BAG WITH NUMBER PA6500202293 CONTAINED:**

4.1.1 EIGHTEEN (18) 7,62X39mm CALIBRE FIRED CARTRIDGE CASES MARKED 598202/22 1A2, 1A3, 1A4, 1A5, 1A6, 1A8, 1A9, 1A10, 1A11, 1A12, 1A13, 1A14, 1A15, 1A16, 1A18, 1A30, 1A17 AND 1A39 RESPECTIVELY.

my





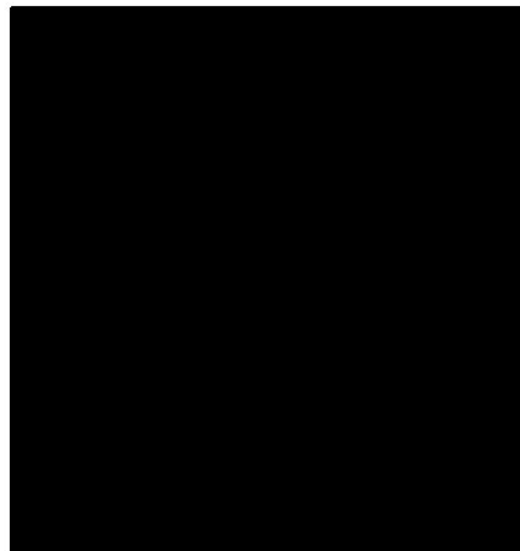
- 4.1.2 TWENTY-NINE (29) 7,62X39mm CALIBRE FIRED CARTRIDGE CASES MARKED 598202/22 1A19, 1A20, 1A21, 1A22, 1A23, 1A24, 1A25, 1A26, 1A27, 1A28, 1A29, 1A31, 1A32, 1A33, 1A34, 1A35, 1A36, 1A37, 1A38, 1A40, 1A41, 1A42, 1A43, 1A44, 1A45, 1A46, 1A47, 1A48 AND 1A49, RESPECTIVELY.
- 4.1.3 TWO 9mm PARABELLUM CALIBRE TEST FIRED CARTRIDGE CASES MARKED 056TC2 AND 285TC2 RESPECTIVELY.
- 4.1.4 FOUR 9mm CALIBRE TEST FIRED BULLETS MARKED 056TB1, 056TB2, 285TB1 AND 285TB2 RESPECTIVELY.
- 4.1.5 NINE UNDETERMINED CALIBRE FIRED BULLET JAKETS MARKED 598202/22 A50, A51, B4, B5, B9, B10, B11, B12 AND B13 RESPECTIVELY.
- 4.1.6 SIX UNDETERMINED CALIBRE BULLET TUNGSTEN CORES MARKED 598202/22 B1, B2, B3, B6, B7 AND B8 RESPECTIVELY.
- 4.1.7 ONE UNDETERMINED CALIBRE FIRED BULLET MARKED IT 598202/22 C1.
- 4.2 **INTACT SEALED EVIDENCE BAG WITH NUMBER P2B500357649 CONTAINED:**
- 4.2.1 TWO 7,62X39mm CALIBRE FIRED CARTRIDGE CASES MARKED 598202/22 1A1 AND 1A7 RESPECTIVELY.
- 4.2.2 TWO 9mm PARABELLUM CALIBRE TEST FIRED CARTRIDGE CASES MARKED 056TC1 AND 285TC1 RESPECTIVELY.

5.

On 30 December 2024 during the performance of my official duties I found in a case file with LAB 76534/2023 ORLANDO CAS 93/02/2023 an intact sealed evidence bag with number PA6500555507 marked *inter alia* ORLANDO CAS 93/02/2023. I opened the bag and found the following:

- 5.1 TWENTY-ONE (21) 7,62X39mm CALIBRE FIRED CARTRIDGE CASES MARKED 76534/23 C1, C2, C3, C4, C5, C6, C7, C8, C9, C11, C12, C13, C14, C15, C16, C17, C18, C19, 20, 21 AND C22 RESPECTIVELY.

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- 5.2 ONE POSSIBLY 7,62mm CALIBRE FIRED BULLET JACKET MARKED 76534/23 A.
- 5.3 ONE UNDETERMINED CALIBRE FIRED BULLET JACKET MARKED 76534/23 B.
- 5.4 TWO 7,62mm CALIBRE TUNGSTEN CORES MARKED 76534/23 C AND D RESPECTIVELY.
- 5.5 ONE UNDETERMINED FRAGMENT MARKED 76534/23 E.
- 5.6 ONE 9mm PARABELLUM CALIBRE TEST FIRED CARTRIDGE CASE MARKED 386TC2.
- 5.7 TWO 9mm CALIBRE TEST FIRED BULLETS MARKED 386TB1 AND 386TB2 RESPECTIVELY.

6.

On 30 December 2024 during the performance of my official duties I found in a case file with LAB 198519/2022 ORLANDO CAS [REDACTED] an intact sealed evidence bag with number PA6500532739 marked *inter alia* ORLANDO CAS [REDACTED] B6. I opened the bag and found the following:

- 6.1 ONE 7,62X39mm CALIBRE FIRED CARTRIDGE CASE MARKED 198519/22 A1.
- 6.2 ONE 9mm PARABELLUM CALIBRE FIRED CARTRIDGE CASE MARKED 198519/22 A11.
- 6.3 TWO UNDETERMINED CALIBRE FIRED BULLET JACKETS MARKED 198519/22 B5 AND B6 RESPECTIVELY.

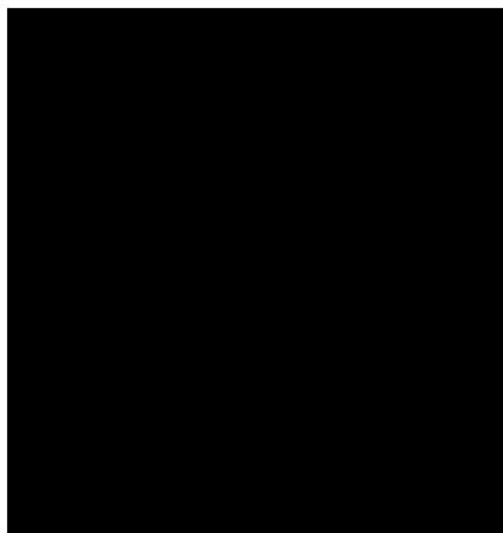
7.

On 30 December 2024 during the performance of my official duties I found in a case file with LAB 469673/2024 BRAMLEY CAS 149/04/2024 two intact sealed evidence bags marked *inter alia* BRAMLEY CAS 149/04/2024. I opened the bags and found the following:

- 7.1 INTACT SEALED EVIDENCE BAG WITH NUMBER P2B001140341 CONTAINED:
 - 7.1.1 ONE 7,62X39mm CALIBRE TEST FIRED CARTRIDGE CASE MARKED 363TC1.

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- 7.1.2 ONE 9mm PARABELLUM CALIBRE TEST FIRED CARTRIDGE CASE MARKED 673TC1.
- 7.1.3 TWO 9mm CALIBRE TEST FIRED BULLETS MARKED 673TB1 AND 673TB2 RESPECTIVELY.
- 7.1.4 ONE 9mm PARABELLUM CALIBRE TEST FIRED CARTRIDGE CASE MARKED 207TC1.
- 7.1.5 TWO 9mm CALIBRE TEST FIRED BULLETS MARKED 207TB1 AND 207TB2 RESPECTIVELY.
- 7.1.6 ONE 9mm SHORT CALIBRE TESTS FIRED CARTRIDGE CASE MARKED 084TC1.
- 7.1.7 TWO 9mm CALIBRE TEST FIRED BULLETS MARKED 084TB1 AND 084TB2 RESPECTIVELY.
- 7.1.8 TWO 7,62mm CALIBRE TEST FIRED BULLETS MARKED 363TB1 AND 363TB2 RESPECTIVELY.
- 7.2 **INTACT SEALED EVIDENCE BAG WITH NUMBER P2B500676776 CONTAINED:**
 - 7.2.1 ONE 7,62X39mm CALIBRE TEST FIRED CARTRIDGE CASE MARKED 363TC2.
 - 7.2.2 ONE 9mm PARABELLUM CALIBRE TEST FIRED CARTRIDGE CASE MARKED 673TC2.
 - 7.2.3 ONE 9mm PARABELLUM CALIBRE TEST FIRED CARTRIDGE CASE MARKED 207TC2.
 - 7.2.4 ONE 9mm SHORT CALIBRE TEST FIRED CARTRIDGE CASE MARKED 084TC2.

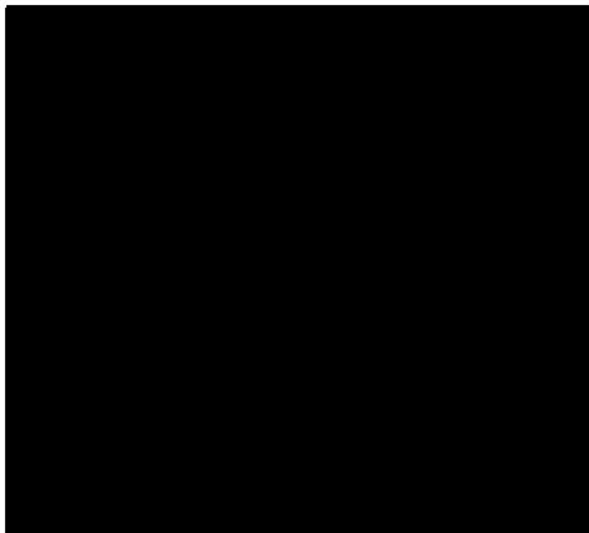
8.

The intention and scope of this forensic examination comprise the following Ballistics techniques:

- 8.1 Microscopic individualization of fired cartridge cases and fired bullets.

my





9.

I examined the fired cartridge cases and fired bullets mentioned in 4.1.1 to 4.1.7, 4.2.1, 4.2.2, 5.1 to 5.7, 6.1 to 6.3, 7.1.1 to 7.1.8 and 7.2.1 to 7.2.4 and compared the individual and class characteristics markings transferred to them by firearm components during the firing process using a comparison microscope and found:

- 9.1 The cartridge cases mentioned in 4.1.1, 4.2.1, 5.1, 6.1, 7.1.1 and 7.2.1 were fired in one firearm (**A 7,62X39mm CALIBRE RUSSIAN KALASHNIKOV MODEL AK47 FULL-AUTOMATIC ASSAULT RIFLE WITH SERIAL NUMBER 575363**).
- 9.2 The cartridge cases mentioned in 6.2, 7.1.2 and 7.2.2 were fired in one firearm (**A 9mm PARABELLUM CALIBRE TAURUS MODEL PT92FS SEMI-AUTOMATIC PISTOL WITH SERIAL NUMBER OBLITERATED AND MARKED 193045/24. SERIAL NUMBER TKS21211 RETRIEVED DURING ETCHING PROCESS**).
- 9.3 It cannot be determined if the bullet if the bullets and the bullet jackets mentioned in 4.1.5, 4.1.7, 5.2, 5.3 and 6.3 were fired or were not fired from the firearm that fired the test bullets mentioned in 7.1.8.

10.

The conclusions arrived at were based on facts, established by means of an examination and process which require a knowledge and skill in Forensic Ballistics.

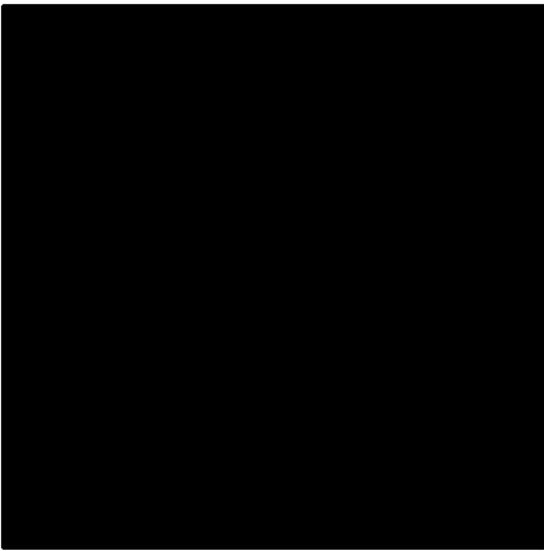
11.

After examination the exhibits mentioned in 4, 5, 6 and 7 were disposed of as follows:

- 11.1 On 30 December 2024 the exhibit mentioned in 4 marked 598202/22 1A32 was sealed in an evidence bag with number PA6500555463 and filed in a case file with LAB 598202/2022 for ABIS acquisition.
- 11.2 On 30 December 2024 the exhibits mentioned in 4 which are not mentioned in 11.1 were sealed in an evidence bag with number PA6500555464 and filed in a case file with LAB 598202/2022.

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- 11.3 On 30 December 2024 the exhibits mentioned in 5 were sealed in an evidence bag with number PA6500555465 and filed in a case file with LAB 76534/2023.
- 11.3 On 30 December 2024 the exhibits mentioned in 6 were sealed in an evidence bag with number PA6500555469 and filed in a case file with LAB 198519/2022.
- 11.4 On 30 December 2024 the exhibits mentioned in 7 were sealed in an evidence bag with number PA6500555484 and filed in a case file with LAB 469673/2024.

12.

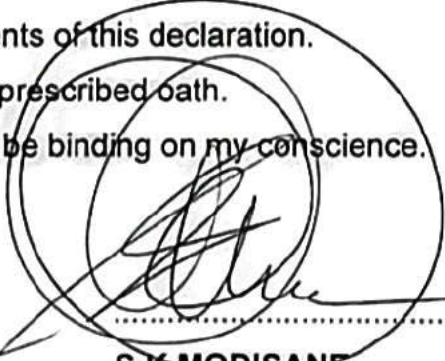
During the performance of my official duties the exhibits mentioned were for the purpose of their examination kept in my custody, under lock and key, from 30 December 2024 until 30 December 2024.

13.

I know and understand the contents of this declaration.

I have no objection to taking the prescribed oath.

I consider the prescribed oath to be binding on my conscience.



S.K. MODISANE

..... CAPTAIN

ms

14.

I certify that the deponent has acknowledged that he knows and understands the contents of this declaration which was sworn before me and the deponent's signature was placed thereon in my presence at **AMANZIMTOTI ON** 30 December 2024.


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COMMISSIONER OF OATHS

MELDON QAMU MKHATSHWA

Forensic Science Laboratory

King Crest Building

415 Kingsway Road

AMANZIMTOTI, 4126

CAPTAIN: SOUTH AFRICAN POLICE SERVICE

SKM

