



DEPARTMENT OF LABOUR
OCCUPATIONAL HEALTH AND SAFETY ACT, 1993
ELECTRIC FENCE SYSTEM CERTIFICATE OF COMPLIANCE



Electric Fence System Certificate of Compliance in accordance with regulation 12(4) and 13(1) of Electrical Machinery Regulations, 2011.

Certificate No: Gido 2020/12-08A1

Certificate Type (Tick appropriate block)

Initial Certificate

Supplementary Certificate

Supplement No. n/a to Initial Certificate No. n/a as issued on: n/a

Identification of the relevant Installation (Address or other unique reference, where applicable)

Physical Address: 49 RISANA AVENUE

Name of premises: _____ GPS Coordinates: _____

Suburb/Township: RISANA Pole number: _____

District/Town/City: JOHANNESBURG Erf/Lot No: 51

Declaration by registered electrical fence installer

I, Douglas Mark Deerans (ID No. _____) as registered electric fence system installer, declare that I have personally carried out the inspection and testing of the electric fence system described above as per the requirements of regulation 13(1), and deem the installation to be reasonably safe when properly used.

Registered person registration no: EFSI 00005

Date of registration: 10 May 2013

Signature: [Signature] Date: 2020-12-15

13 Page document.

Contact details of registered person:

Office No: 0860 103 653

Cell No: 083 527 9830

E-Mail: douglas@gido.co.za

Web: www.gido.co.za

Address: 49 Risana Avenue, Risana, Johannesburg

Declaration by user or lessor:

I declare that I am aware of my responsibilities in terms of regulation 12 of the Electrical Machinery Regulations and undertake to operate and maintain the electric fence system in a safe manner.

Recipient name: Deshni Naidoo

Signature: [Signature] Date: 2020-12-15

This document consists of: 13 (THIRTEEN) pages.

ADDENDUM A - INSPECTION AND TESTS (New and existing installations)**1. Tests:**

- 1.1. Peak high voltage reading at furthest point from energizer (KV): 9.6
- 1.2. Model number, manufacturer and series number of test meter/oscilloscope used:
NEUTEK Fence Scope
- 1.3. In the case of a monitored system, has the requirements of SANS 10222-3 been fully satisfied: YES / NO

2. Inspection:

- 2.1. Are all components correctly selected: YES / NO
- 2.2. Are all bordering public areas protected from the electric fence: YES / NO
- 2.3. Components have been correctly installed: YES / NO
- 2.4. Are all electric fencing live and electric fencing earth conductors properly bonded, mechanically sound and electrically continuous: YES / NO
- 2.5. Are all brackets, off-set brackets or poles (or both) properly installed and mechanically sound: YES / NO
- 2.6. The installation complies with its requirements, as specified in this certificate, as contained in SANS 10222-3, referring to the requirements as laid out for FUNDAMENTAL REQUIREMENTS, EARTHING OF ELECTRIC FENCES, LIGHTNING PROTECTION REQUIREMENTS FOR ELECTRIC FENCES, CORROSION PROTECTION REQUIREMENTS FOR ELECTRIC FENCES, PROTECTION OF COMMUNICATION LINES AGAINST INTERFERENCE FROM ELECTRIC FENCES, INSTALLATION REQUIREMENTS BETWEEN OVERHEAD POWER CONDUCTORS AND ELECTRIC FENCES and any other applicable section of SANS 10222-3.
- 2.7. The installation complies with the general safety principles of SANS 10222-3:

Additional working papers added: YES / NO

Comments: _____

Comments on parts of electric fence not covered by this certificate:

Initial: _____

[Signature]

[Signature]

VC

ADDENDUM B – MULTIPLE RESPONSIBILITY

1. **MATERIAL SPECIFICATION or PROCUREMENT.** I/We, being the person(s) for the material specification or procurement for the electric fence installation, particulars relating to the electric fence as described in the covering Electric Fence Certificate, CERTIFY that the equipment and components that I/we have procured is to the best of my/our knowledge and belief in accordance with SANS 10222-3. The extent of liability of the signatory is limited to the installation related to the description in the covering Electric Fence Certificate.

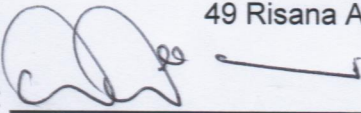
For the MATERIAL SPECIFICATION or PROCUREMENT:

Name: Douglas Mark Deerans

Position: Compliance Officer

For and on behalf of: Gido Electric fencing cc

Address: 49 Risana Avenue, Risana, Johannesburg

Signature:  Date: 2020-12-15

2. **INSTALLATION.** I/We, being the person(s) for the installation of the electric fence, particulars relating to the electric fence are described in the covering Electric Fence Certificate, CERTIFY that that I/we have installed the electric fence components to the best of my/our knowledge and belief in accordance with SANS 10222-3. The extent of liability of the signatory is limited to the installation related to the description in the covering Electric Fence Certificate.

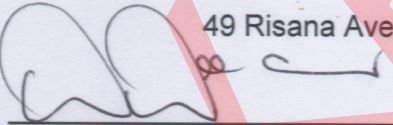
For the INSTALLATION:

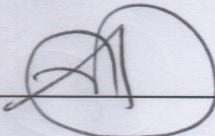
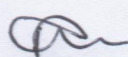
Name: Douglas Mark Deerans

Position: Compliance Officer

For and on behalf of: Gido Electric fencing cc

Address: 49 Risana Avenue, Risana, Johannesburg

Signature:  Date: 2020-12-15

Initial:   

7112

TEST Africa

The Leader in Safety Testing

Company : **IO TECH MANUFACTURING (PTY)LTD**

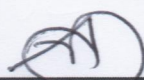
Sample : Nemtek, Druid LCD 18, Fence Energiser

Specification: SANS 60335-2-76:2006 & IEC 60335-2-76:2002 & A1:2006
SANS 60335-1:2007 & IEC 60335-1:2006

Report Number: WCT 11/0797

Date of Issue: 2011-07-14

The sample complied with all the requirements of the above-mentioned specification.


KC

2020/12-08/11
Not to Scale



AD per 1/4

Diagram Legend and General Notes: Gido 2020/12-08A1

Note; all descriptions are inferred, facing the property from the main entrance / street.

1. Premises is a normal residential property fronting on Risana Avenue, Risana, Johannesburg;
2. Reference A: Druid 18 energizer, serial number: 302033704, fitted back right side of house in a lockable outdoor enclosure;
 - 2.1. In addition to an on / off swipe tag, the energizer operates interactively via a GSM communicator;
 - 2.2. The energizer is fitted with a siren and strobe;
 - 2.3. Energizer certification attached;
3. Reference B: Energiser earthing rods;
 - 3.1. Reference A, B and C: Connected via ± 3 m HT cabling in conduit from said energizer;
 - 3.2. Installation fitted with lightning arrestors;
4. Reference C: ± 30 metres x 14 x 10 string square tubing brackets, pre-cast walling, fitted inside, straight;
5. Reference D: ± 6 metres brick walling (Neighbour's garage), with brackets as follow:
 - 5.1. 3 x 10 string square tubing brackets, fitted inside, angled in;
 - 5.2. 2 x 10 string square tubing brackets fitted at 90° at beginning and end of said wall;
6. Reference E: ± 19 metres x 10 x 10 string square tubing brackets, combination brick and palisade fencing, fitted inside, straight;
7. Reference F: ± 21 metres x 13 x 10 string square tubing brackets, palisade fencing, fitted inside, straight;
8. Reference G: ± 3 metre steel sliding gate fitted with 2 x 10 string square tubing brackets, fitted inside, straight;
 - 8.1. Gate fitted with 2 x inline gate contacts;
9. Reference H: ± 1 metres x 2 x 10 string square tubing brackets, palisade fencing, fitted inside, straight;
10. Reference I: ± 31 metres x 16 x 10 string square tubing brackets, brick walling, fitted inside, straight;
11. Reference J: ± 9 metres x 4 x 10 string square tubing brackets, brick walling (Neighbour's garage), fitted inside, angled in;
12. Reference K: ± 9 metres brick walling, with brackets as follow:
 - 12.1. 2 x 10 string square tubing brackets, fitted inside, angled in;
 - 12.2. 2 x 10 string square tubing brackets, fitted inside, angled in;

Diagram Legend and General Notes: Gido 2020/12-08A1

13. Reference L: $\pm$ 6 metres x 3 x 10 string square tubing brackets, brick walling, fitted inside, straight;
14. Reference M: $\pm$ 21 metres x 8 x 10 string square tubing brackets, pre-cast walling, fitted inside, straight;
15. Reference O: Placement of additional fence earthing rods.

General Notes:

1. The fence is a new Gido Electric Fencing installation.
2. The fence is wired with 1.6mm solid aluminium wire.

LEGALITIES

A. GENERAL

In terms of SANS (South African National Standard) 10222-3:2012 Edition 4.1, Electrical Security Installations, Part 3 as per Government Gazette No. 31454, published the 25th of March 2011, the following basics:

1. Every user or lessor of an electric fence, as the case may be, shall have an original valid Electric Fence System Certificate of Compliance.
2. Every user or lessor of an electric fence, as the case may be, shall on request produce the Electric Fence System Certificate of Compliance for that installation to an Inspector when required to do so.
3. Who receives the EFC (Electric Fence System Certificate of Compliance)?
 - 3.1. In the event of a new installation / upgrade / restring / extension / and or any major repairs (see point 5. below), the person requesting the work;
 - 3.2. In the event of a property sale:
 - 3.2.1. The original Electric Fence System Certificate of Compliance must be given to the buyer of the property; and
 - 3.2.2. A copy for the seller's records; and
 - 3.2.3. A copy to the attorney / conveyancer responsible for transferring property ownership.
4. Validity of an EFC (Electric Fence System Certificate of Compliance).
 - 4.1. Any EFC (Electric Fence System Certificate of Compliance) is strictly valid for two years, where after it automatically expires. You are then required to obtain a new one, subject to points 3.1 and 5.
 - It just makes sense to keep the current issuing service provider and NOT jump between contractors. On expiry of your current certification, it would then simply be a matter of issuing a supplementary certificate subject to a basic site inspection at a nominal fee.
 - 4.2. It is critical to note, should any supplementary work be done as per point 5 below, supplementary certification to the original certification must be issued in every instance.
5. Where any addition, alteration, replacement or change has been effected to an electric fence installation for which an Electric Fence System Certificate of Compliance was previously issued, the user or lessor of such installation shall obtain a certificate for at least the addition, alteration, replacement or change.

5.1. The Legislation is quite clear as to when Certification is required. A Certificate is required when a change and or addition is made to ANY existing installation as follows:

5.1.1. Upgrading any section of an existing electric fence;

5.1.2. Restrunging of an existing electric fence;

5.1.3. The extension of, and or addition to, an existing electric fence, even if just by 1 (one) metre;

5.1.4. Major repairs to the electric fence. Any repairs other than point 5.2 below;

5.1.5. Replacing an old, or damaged, energizer with a new one (note, NOT repairs thereof).

5.2. When is certification NOT required? The Legislation is quite clear. A certificate is not required, provided the remainder of the electric fencing remains intact, when:

5.2.1. Repairing a broken wire;

5.2.2. Replacing a broken bobbin;

5.2.3. Repairing the energizer;

5.2.4. Replacing a lightning arrestor;

5.2.5. Other repairs of a minor issue.

B. COMPULSORY ELECTRIC FENCE MAINTENANCE

As per Legislation, in order to maintain the fence in a satisfactory condition, the user or lessor of an electric fence MUST DO a monthly overview, and a detailed inspection on the electric fence every three months. It is a statutory requirement that a written record of these inspections be kept.

1. "Monthly Overview Inspection" should comprise of the following actions:

1.1. Walk/drive along the length of the electric fence and note and correct all obviously visible faults on the fence;

1.2. Clear the fence of all vegetation and debris (for example plastic bags) that could cause arcing of high-voltage pulses and that could lower the effectiveness of the fence, (i.e. arcing between an electric fence and vegetation that can cause fires);

1.3. Tighten wires that are visibly slackened;

1.4. Fix all broken parts of the fence.

2. **"Three monthly Detailed Inspection"** should comprise of the following actions:

- 2.1. Walk along the length of the electric fence and inspect all components of the fence for faults. (i.e. a clicking sound is audible at places where arcing occurs.);
- 2.2. Fix all faults reported prior to inspection, tighten all loose wires, replace and repair all faulty fence components;
- 2.3. Inspect the electric fence energizer installation and ensure compliance;
- 2.4. Inspect the energizer and electric fence earthing system. Tighten loose connection wires, replace worn-out clamps and corroded components;
- 2.5. Clear the fence of all vegetation and debris (for example plastic bags);
- 2.6. Inspect the fence insulators and ensure that they are in a satisfactory condition. Broken and deformed fence insulators shall be replaced;
- 2.7. Look for electric fence wires touching any other component not forming part of the electric fence installation and rectify to ensure compliance herewith;
- 2.8. Check the fence for tautness of wires and tighten faulty wires;
- 2.9. Inspect all joints and replace broken or rusted clamps (or both). Ensure that soldered joints are still electrically sound;
- 2.10. Inspect the electric fence installation for faults at gates.

The inspections of the fence should not be limited to the items listed in this document but should include any other item found to be non-compliant.

It is important to note that said compulsory maintenance can be carried out personally by the user or lessor. However, this has to be done within legislative prescriptive parameters.

- (Again, it just makes sense to contract the current issuing service provider for said compulsory electric fence maintenance. It just makes it that much easier with the reissuing of the EFC (Electric Fence System Certificate of Compliance) upon expiry as per point 4.1.)

C. PROPERTY SALE & TRANSFER

1. The original Electric Fence System Certificate of Compliance, with all attachments, must be handed to the purchaser. (It is a good idea to have a copy made for your own records and have the new purchaser sign an acknowledgement of receipt).
- 1.1. The purchaser must be categorically informed that the EFC (Electric Fence System Certificate of Compliance) is strictly valid for two years, after which it automatically expires and has to be renewed.

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2. In addition, you must explain to the new purchaser his / her obligations in terms of the monthly inspections and of the fact that it is **a statutory requirement that written record of these inspections be kept.**
3. A copy must then be forwarded to the attorney / conveyancer responsible for transferring the property ownership.

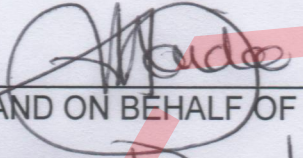
D. REGISTERED INSTALLER AUTHORITY

1. Authority of an installer when maintaining a fence (As per legislation):

- 1.1. In the event of an electric fence user refusing, hindering or not co-operating in the rectification of any items found to be non-compliant, the electric fence installer should issue such user with a written notification of such non-compliance.
- 1.2. A formal complaint is then to be laid with the DoL (Department of Labour) Inspectorate for investigation.

E. OFFENCES AND PENALTIES

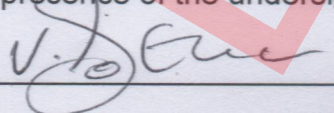
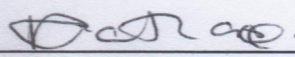
1. Any person who contravenes or fails to comply with any of the provisions of regulations 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14(4), 18, 19, 20, 21 and 22, **as per Government Gazette No. 31454, published the 25th of March 2011, shall be guilty of an offence and liable upon conviction to:**
 - 1.1. A fine or to imprisonment for a maximum of 12 months; and
 - 1.2. In case of a continuous offence, to an additional fine of R200 for each day on which the offence continues or additional imprisonment of one day for each day on which the offence continues;
 - 1.3. Provided that the period of such additional imprisonment shall not exceed 90 days.


FOR AND ON BEHALF OF THE USER / LESSOR

Print Name: Dushni Naidoo

ID Number: _____

In the presence of the undersigned witnesses,

1.  2. 

SIGNED at Risana, Johannesburg on this 15th day of December 2020

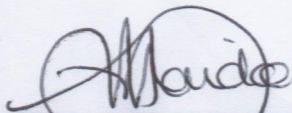
DISCLAIMER

1. Although this fence has been certified in terms of SANS (South African National Standard) 10222-3:2012 Edition 4.1, Electrical Security Installations, Part 3 as per Government Gazette No. 31454, published the 25th of March 2012, said certification does NOT:

1.1. Guarantee the quality of the materials used, and or workmanship of the electrified security fence installation;

1.2. No other guarantees, warranties or representations concerning the quality of the electric fence, or its fitness for any purpose or application will be binding upon Gido Electric Fencing cc unless specified in writing and signed by the parties;

1.3. These terms and conditions constitute the whole of this "Disclaimer". No undertaking, representation, term, condition or any variation or addition relating to the subject matter hereof not incorporated herein or reduced to writing and signed by the parties shall be binding.



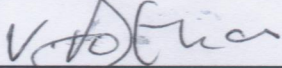
FOR AND ON BEHALF OF THE USER / LESSOR

Print Name:

Dushni Naidoo

ID Number:

In the presence of the undersigned witnesses,

1.  2. 

SIGNED at Risana, Johannesburg on this

15th

day of

December

20

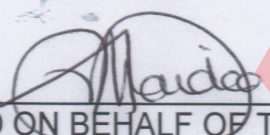
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DECLARATION1. Deshni Naidoo

Print Name in Block Letters

ID Number: _____

1. I am fully aware of my legal obligations and responsibilities in terms of regulation 12 of the Electrical Machinery Regulations and undertake to operate and maintain the electric fence system in a safe manner.
2. I am fully aware of my legal obligations and responsibilities in terms of the compulsory maintenance of the electric fence and undertake to maintain said electric fence as required and prescribed by legislation.
3. I am fully aware of my legal obligations and responsibilities in the event of my property sale and transfer and undertake, as required by legislation, to;
 - 3.1. Hand over all relevant documentation to the new purchaser;
 - 3.2. Inform the new purchaser that the EFC (Electric Fence System Certificate of Compliance) is strictly valid for two years, after which it automatically expires and has to be renewed;
 - 3.3. Explain to the new purchaser his / her obligations in terms of the monthly inspections and of the fact that it is a **statutory requirement that written record of these inspections be kept.**
4. Declare that the content of this document has been fully explained to me.


FOR AND ON BEHALF OF THE USER / LESSORPrint Name: Deshni Naidoo

ID Number: _____

In the presence of the undersigned witnesses,

1. V. J. Esterhuysen 2. D. NaidooSIGNED at Risana, Johannesburg on this 15th day of December 20 20

Gido _____

RESPONSIBLE ENTITY DETAILS

DESIGNATION:

Existing registered owner

☐

Body Corp / HOA / Section 21

☐

Designation: _____

Property sold, new owner

☐

Tenant, with LOA.

☐

(Letter of Authority)

Other representative, with LOA.

☐

(Letter of Authority)

Please print legibly.

Full Name: _____

Cell Nr: _____

Home Nr: _____

Work Nr: _____

Fax Nr: _____

E-mail: _____

Physical address: _____

Suburb / Township: _____

District / Town / City: _____