



Certificate of compliance in accordance with regulation 7(1) of the Electrical Installation Regulations, 2009.	CERTIFICATE NO.	Certificate type (tick appropriate block)
	B 9000001	Initial Certificate <input type="checkbox"/> Supplementary Certificate <input type="checkbox"/>

Supplement No.: to Initial Certificate No.: as issued on:

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

Physical address:

Name of building: GPS Co-ordinates:

Suburb / Township: Pole number:

District / Town / City: Erf / Lot No:

Declaration by registered person

I, (ID No.:)
a registered person declare that I have personally carried out the inspection and testing of the electrical installation described in the attached test report as per the requirements of:

(Tick appropriate box)

a) electrical installation regulations 9(2) (a); (new electrical installation); or

b) electrical installation regulations 9(2) (b); (existing electrical installation); or

c) electrical installation regulations 9(2) (c); (new part to existing installation) and deem the installation to be reasonably safe when properly used.

I have entered the number of this certificate on the attached test report(s).

I declare that the persons responsible for the design, specification, procurement, construction commissioning and inspection and test have completed the relevant sections of the test report.

Registered person registration number: Date of registration:

Type of registration: **(Tick appropriate box)**

Tester for Single Phase Installation Electrician Master Installation Electrician

Signature: Date:

Contact details of registered person: Name:

Address:

Tel. No.: Fax No.:

Cell No.: Email:

NOTE: 1. This certificate is not valid unless all the sections have been completed correctly and the test report in the format approved by the chief inspector is attached.
2. This certificate will be invalid if any corrections have been made.

Declaration by electrical contractor

I, (ID No.:)
declare that the electrical installation has been carried out in accordance with the requirements of the Occupational Health and Safety Act, 1993, and regulations made thereunder.

Electrical contractor registration number: Date of registration:

Signature: Date:

Contact details of electrical contractor: Name:

Address:

Tel. No.: Fax No.:

Cell No.: Email:

Recipient Name: Signature: Date:



THE ELECTRICAL CONTRACTING BOARD OF SOUTH AFRICA

590 KOBUS STREET, SILVERTON, PRETORIA, 0184 • P.O. BOX 912479 SILVERTON 0127
TEL: (012) 751 2290 • FAX 086 541 9596 • EMAIL: info@ecbsa.co.za
For enquiries please phone the above number

TEST REPORT for all ELECTRICAL INSTALLATIONS To SANS 10142-1 Amdt 8	Initial Certificate of Compliance (CoC) No.
	Date of issue:

Supplementary No.: Clients Job No.:

ECB NOTES:- 1. ELECTRONIC CoC / TEST REPORT AVAILABLE ON www.ecbsa.co.za.
2. Electronic CoC number will print automatically on each page of the test report.
3. Contractor to attach the initial CoC number to distribution board. All subsequent CoC's will be supplementary.

NOTE 1 In terms of South African legislation, the user or lessor is responsible for the safety of the electrical installation.

NOTE 2 This report covers only the part of the installation described in section 3.

NOTE 3 This report covers the circuits for fixed appliances, but does not cover the actual appliances, for example stoves, geysers, air conditioning and refrigeration plant and lights.

NOTE 4 Medical and hazardous locations require additional test reports (see 8.8.2 and 8.8.3).

NOTE 5 Enter the required information or tick the appropriate block.

SECTION 1 - LOCATION

Physical address:

Name of building:

In the case of multiple units e.g. shopping malls, cluster housing, enter relevant unit number:

SECTION 2 - INSTALLATION

Existing installation Alteration / Extension New installation Temporary installation

Type of installation: Residential Commercial Industrial Common areas for multiple users:

Other: Describe:

Initial certificate number: Date issued: Not available

Additional information if required:

Type of electricity supply system:

TN-S TN-C-S TN-C TT IT Supply earth terminal provided: Yes No

Characteristics of supply:

Voltage: 230 V 400 V 525 V Other, record voltage:

Number of phases: One Two Three **Phases rotation:** Clockwise Anticlockwise NA

Frequency: 50 Hz Other d.c.

Prospective short-circuit current (PSCC) kA and at Sub Board where applicable: kA

at point of control:

How determined? Calculated Note, above 100A to be calculated: Measured From supplier

Main supply feeder: Cable Number of cores Bus bars Cross sectional area sq mm Length Met

Main switch type: (For sub distribution board details refer to section 3)

Switch disconnector (on-load isolator) Fuse switch Circuit-breaker

Earth leakage circuit-breaker Earth leakage switch disconnector

Number of poles: current rating: A Short-circuit/withstand rating: kA

Rated earth leakage tripping current /Δn: 30 mA Other: mA

Surge protection required (see 6.7.6 and annex L): Yes No Reason:

Is alternative power supply installed (see 7.12.): Yes No

Is any part of the installation a specialized electrical installation:
If yes, complete additional test reports (see 8.8.2 or 8.8.3). Yes No

Is any part above 1kV.
If yes, competent person to approve design and complete additional test reports (see 8.6.3 and SANS 10142-2) Yes No

Is this installation of 5 units or more on the same new supply?
If yes, name of competent person who supervised the installation must be provided (see 8.2.3) Refer to section 5.5. Yes No

SECTION 3 - DESCRIPTION OF INSTALLATION COVERED BY THIS REPORT
NOTE:- This is a TEST REPORT and it is advisable to be as specific as possible in the description of the installation. E.G. Existing, give short description and condition of installation and type of materials used. New or extended installations add drawings, specifications and material approval. Add extra pages and list them as annexures to be read in conjunction with this test report if necessary.

Circuits	NUMBER OF CIRCUITS OR POINTS COVERED BY THIS REPORT							
	Existing installation				New/alterd/temporary installation			
	Main distribution board	Sub-distribution boards			Main distribution board	Sub-distribution boards		
Insert distribution board designation .i.e number								
Lighting circuits								
Lighting points								
Socket-outlet circuits								
Socket-outlets								
Three-phase socket-outlet circuits								
Three-phase socket-outlets								
Socket-outlets for critical application circuits								
Socket-outlets for critical applications								
Mixed circuits (number of)								
Motor circuits								
Control circuits								
Air-conditioning circuits								
Motor controlled assembly circuits								
Transformer circuits:								
	Lighting							
	Bell							
	Other							
Heating circuits								
Fan circuits								
Elevator / Escalator circuits								
Signage circuits								
Fixed appliance circuits:								
	Cooking							
	Geyser							
	Pool pump							
	B H pump							
	Other							
Earth leakage:								
	Main Switch							
	sockets only							
Overhead busbars								
Alternative power supply connections								
Other circuits								

SECTION 4 - INSPECTION AND TESTS (New and existing installations)						
Visual Inspection	Existing Installation			New / altered / temporary installation		
	Yes	No	NA	Yes	No	NA
<i>NOTE Answer "Yes" or "N/A". The report shall not be issued should any "No" answers be necessary.</i>						
1. Accessible components are correctly selected.						
2. All protective devices are of correct rating.						
3. All protection devices are of correct rating and capable of withstanding the prospective fault level.						
4. Conductors are of the correct rating and current-carrying capacity for the protective devices and connected loads.						
5. Components have been correctly installed.						
6. Disconnecting devices are correctly located and all switchgear switches the phase conductors.						
7. Different circuits are separated electrically.						
8. Connection of conductors and earthing and bonding are mechanically sound.						
9. Connection of conductors and earthing and bonding are electrically continuous.						
10. Circuits, fuses, switches, terminals, earth leakage units, circuit-breakers, distribution boards are correctly and permanently marked or labelled.						
11. Where an electrical circuit passes through a fire barrier, the integrity of the fire barrier has been maintained.						
12. Safety and emergency lighting and signs are functioning correctly.						
13. (a) In the case of new installations, or additions or alterations to existing installations, the new, added or altered installation complies with this part of SANS 10142-1 or (b) In the case of installations that existed before the publication of this edition of SANS 10142, the installation complies with the general safety requirements in this part of SANS 10142-1 (i.e. section 5) and is reasonably safe. <i>NOTE In respect of 13 above, tick (a) or (b) or (a) and (b) on the test report where applicable.</i>						
14. Where an alternative supply is installed: The requirements in respect of all connections, change-over switching and indication are met.						
15. Is the position of the readily accessible earthing terminal for earth connections of other services by installers of such services (see 6.11.5) indicated on the distribution board (see 6.6.1.21 (e))						
Tests <i>Carry out all the tests for the main distribution board. Also conduct all tests and complete copies of the tests for each distribution board and for each supply (normal and alternative supplies), and attach as annexes to this report.</i>	Units	Instrument Required	Readings / Results			
			Existing installation	New / altered / temporary installation		
1. Continuity of bonding	Ω					
2. Resistance of earth continuity conductor	Ω					
3. Continuity of ring circuits (if applicable)	—					
4. Earth loop impedance test: at main switch	Ω					
5. Prospective short-circuit current at point of control (PSCC) for subdistribution boards Indicate: <input type="checkbox"/> kA Calculated <input type="checkbox"/> Measured <input type="checkbox"/> From supplier <input type="checkbox"/>	kA					
6. Elevated voltage between incoming neutral and external earth (ground)	V					
7. Earth resistance at electrode (if required)	Ω					
8. Insulation resistance	MΩ					
9. Voltage at main distribution board with no load for each phase to neutral	V					
10. Voltage at main distribution board with load (as calculated for full load) for each phase to neutral	V					
11. Voltage at available load (worst condition as calculated for full load) for each phase to neutral	V					
12. Operation of earth leakage units	mA					
13. Operation of earth leakage test button	—		correct		correct	
14. Polarity of points of consumption	—		correct		correct	
15. Phase rotation at points of consumption for three-phase systems	—		correct		correct	
16. All switching devices, make-and-break circuits	—		correct		correct	
Comments: Add annexure if necessary:						
Comments on parts of the installation not covered by this report: Add annexures if necessary:						

SECTION 5 - RESPONSIBILITY	
NOTE — For existing installations, complete only 5.4. For new/altered/temporary installations, if no signature appears in 5.1 to 5.3 the signatory of 5.4 takes responsibility. Where there are five or more installations on the same supply, a competent person signs 5.5	
5.1 DESIGN. I, being the person responsible for the DESIGN of the electrical installation, particulars of which are described in section 3 of this form, CERTIFY that the work for which I have been responsible, is to the best of my knowledge and belief in accordance with the relevant legislation. The extent of my liability is limited to the installation described in section 3 of this form.	
For the DESIGN of the installation:	
Name (in block letters):	Position:
Professional Registration No.:	Address:
Signature:	Date:
5.2 MATERIAL SPECIFICATION / PROCUREMENT. I/We, being the person(s) responsible for the MATERIAL SPECIFICATION / PROCUREMENT for the electrical installation, particulars of which are described in section 3 of this form, CERTIFY that the equipment that I/we have procured, is to the best of my/our knowledge and belief in accordance with the relevant legislation. The extent of liability of the signatory is limited to the installation described in section 3 of this form.	
For the MATERIAL SPECIFICATION / PROCUREMENT:	
Name (in block letters):	Position:
For and on behalf of:	Address:
Signature:	Date:
5.3 CONSTRUCTION. I/We, being the person(s) responsible for the CONSTRUCTION of the electrical installation, particulars of which are described in section 3 of this form, CERTIFY that the work for which I/we have been responsible, is to the best of my/our knowledge and belief in accordance with the relevant legislation. The extent of liability is limited to the installation described in section 3 of this form.	
For the CONSTRUCTION of the installation:	
Name (in block letters):	Position:
For and on behalf of contractor:	Address:
Signature:	Date:
5.4 INSPECTION AND TESTS. I, being the person responsible for the INSPECTION AND TESTING of the electrical installation, particulars of which are described in section 3 of this form, CERTIFY that the inspection and testing were done in accordance with SANS 10142, that the results obtained and reflected on this report are correct, and indicate by ticking the appropriate block that	
<input type="checkbox"/> (for installation work performed since the publication of this part of SANS 10142), compliance with this standard, or	
<input type="checkbox"/> (for an installation existing before the publication of this part of SANS 10142), that the installation complies with the general safety principles of this standard and is reasonably safe.	
The extent of liability is limited to the installation described in section 3 of this form.	
Name of registered person: (in block letters)	Registration Certificate No.:
Type of registration: Master installation electrician <input type="checkbox"/>	Installation electrician <input type="checkbox"/>
	Tester for single-phase <input type="checkbox"/>
Registration certificate valid until:- Date	Tel No.:
Signature:	Date:

5.5. COMPLIANCE OF INSTALLATION FROM COMMENCEMENT TO COMMISSIONING.	
I, being the person responsible to ensure that the electrical installation, particulars of which are described in section 3 and or in the attached numbered annexures of this form and which is one of five or more installations on the same supply, CERTIFY that the installation was done in accordance with SANS 10142-1	
<input type="checkbox"/> An Approved Inspection Authority for electrical installations.	Chief Inspector's Registration No.:
<input type="checkbox"/> A competent person as defined.	Indicate competency:
<input type="checkbox"/> A professionally registered person.	Category of professional registration:
	Registration No.:
Name (in block letters):	Address:
Signature:	Date:
Comments:	