

Certificate Of Compliance (CoC) No. ECB	DB/Supply No:	Date of Issue:
--	----------------------	-----------------------

IMPORTANT NOTE: SOUTH AFRICAN LEGISLATION STATES THE USER OR LESSOR IS RESPONSIBLE FOR THE SAFETY, SAFE USE AND MAINTENANCE OF AN ELECTRICAL INSTALLATION.

NOTE 1 - This report covers only the part of the installation described in Section 3.
 NOTE 2 - This report covers the circuits for fixed appliances but not the actual appliances.
 NOTE 3 - Medical and hazardous user locations require additional test reports (see 8.7).
 NOTE 7 - In most circumstances this test report should be accompanied by annex pages for circuits, earth continuity and ideally wiring diagrams and photographs. Please query if not the case.

NOTE 4 - Enter the required information or tick the appropriate block.
 NOTE 5 - It is suggested that the CoC Number be attached to the distribution board (DB).
 NOTE 6 - Regulations are not made retrospective.

SECTION 1 - LOCATION *Only required if not provided on Certificate of Compliance*

Physical address:

Name of building and or location of installation:

SECTION 2 - ABOUT THE INSTALLATION

Type of electrical installation system

<input type="checkbox"/> Permanent Installation	<input type="checkbox"/> Temporary Installation	<input type="checkbox"/> Common area for multiple users (sectional title)
<input type="checkbox"/> TN-S <input type="checkbox"/> TN-C-S	<input type="checkbox"/> TN-C <input type="checkbox"/> TT	<input type="checkbox"/> IT <input type="checkbox"/> Supplier's earth is functional

Characteristics of supply

Voltage 230 400 525 Other: _____ Volts

Frequency 50Hz Other _____ Hz D.C.

Number of phases One Two Three Phase rotation Clockwise Anti clockwise NA

Main switch type

<input type="checkbox"/> Switch Disconnector (on-load isolator)	<input type="checkbox"/> Fused Switch	<input type="checkbox"/> Circuit Breaker	<input type="checkbox"/> Earth Leakage Circuit Breaker	<input type="checkbox"/> Earth Leakage Switch Disconnector
---	---------------------------------------	--	--	--

Number of poles _____ Current rating _____ Amps Short circuit/withstand rating _____ kAmps

Rated earth leakage tripping current $I_{\Delta n}$ 30 mA Other _____ mA

Is surge protection installed? (see 6.7.6 and annex I) Yes No

Is lightning protection installed? (see 6.7.6 and annex I) Yes No *If applicable, complete Table I.10 Lightning protection system installation safety report.*

Is an alternative power supply installed? (see 7.12) Yes No If Yes Generator _____ kVA &/or UPS _____ kVA

Is any part of installation a specialised electrical installation? Yes No *If yes, complete additional specialised test report (see 8.7 of SANS 10142-1 - Wiring of Premises)*

Is any part of the installation at a voltage above 1 kV Yes No *If yes, competent person must approve design and additional test reports (see 8.5.3 and SANS 10142-2)*

SECTION 3 - DESCRIPTION OF INSTALLATION COVERED BY THIS REPORT *Include annex pages for additional notes, specification references, wiring drawings, etc., to represent all applicable information of work done.*

NUMBER OF CIRCUITS OR POINTS	New	Existing
Lighting circuits		
Lighting points		
Socket outlet circuits		
Socket outlets		
Transformer circuits		
	Lighting	
	Bell	
	Other	
Air-conditioning circuits		
Heating circuits		
Fan circuits		
Alternative power supply connections		

NUMBER OF APPLIANCES, EARTH LEAKAGE & OTHER	New	Existing
Fixed appliance circuits		
	Cooking	
	Geyser	
	Pool pump	
	Borehole pump	
Other		
Other circuits or points		
Other circuits or points		
No. of socket outlets protected by earth leakage		
The Earth Leakage Protects:		
The complete installation (Yes/No)		
Only partial installation (Yes/No)		
Is there photographic evidence? (at least of the DB)	<input type="checkbox"/> Before work started	<input type="checkbox"/> After work completed

IMPORTANT NOTE: Items not listed must not be ignored and must be an annex page to this test report. Contact the ECB for annex page templates.

SECTION 4 - INSPECTION AND TESTING OF NEW AND EXISTING INSTALLATIONS *Annex pages are likely needed to accompany the test information below*

1. Conductors are of the correct rating and current-carrying capacity for the protective devices and connected load Yes No N/A
2. Components have been correctly selected and installed Yes No N/A
3. Disconnecting devices are correctly located and all switchgear correctly switches the phase conductors Yes No N/A
4. Circuits, fuses, switches, terminals, earth leakage units, circuit breakers, distribution boards are correctly and permanently marked or labelled Yes No N/A

TESTS	UNITS	READING	INSTRUMENT	IS COMPLIANT?
1. Continuity of bonding	Ω			<input type="checkbox"/> Compliant <input type="checkbox"/> N/A
2. Resistance of earth continuity conductor at ALL points of consumption: (use annex pages to list all)	Ω			<input type="checkbox"/> Compliant <input type="checkbox"/> N/A
3. Continuity of ring circuits: (use annex page if applicable)	-			<input type="checkbox"/> Compliant <input type="checkbox"/> N/A
4. Earth loop impedance test at <input type="checkbox"/> main or <input type="checkbox"/> local switch: (use annex page if applicable)	Ω			<input type="checkbox"/> Calculated or <input type="checkbox"/> Measured <input type="checkbox"/> N/A
5. Neutral loop impedance test at <input type="checkbox"/> main or <input type="checkbox"/> local switch: (use annex page if applicable)	Ω			<input type="checkbox"/> N/A
6. Prospective short circuit current at <input type="checkbox"/> main or <input type="checkbox"/> local switch (PSCC) (use annex page if applicable)	kA			<input type="checkbox"/> N/A
7. Elevated voltage between incoming neutral and external earth: (ground) (apply load, measure and record)	V			<input type="checkbox"/> N/A
8. Insulation resistance:	M Ω			<input type="checkbox"/> N/A
9. Voltage at distribution board with no load for each phase to neutral:	V	R		
		Y		
		B		
10. Voltage at distribution board with load (as calculated for full load) for each phase to neutral	V	R		
		Y		
		B		
11. Record value of operation of earth leakage units: (record tripping current)	mA			
12. Operation of earth leakage test button: (test button)		<input type="checkbox"/> Correct		
13. Polarity of points of consumption: (check every socket for correct polarity)		<input type="checkbox"/> Correct <input type="checkbox"/> N/A		
14. Phase rotation is consistent at points all of consumption for three-phase systems:		<input type="checkbox"/> Correct <input type="checkbox"/> N/A		
15. All switching devices, make-and-break circuits: (function test)		<input type="checkbox"/> Correct		

Other comments pertaining to this project/test report:

Comments on parts of the installation not covered by this report:

SECTION 5 - RESPONSIBILITY, INSPECTION AND TESTS *When relevant, include other responsible parties & signatures in an annex pages or take full responsibility.* # of annex pages

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 this part of SANS 10142, that the results obtained and reflected on this report and annex pages are correct and indicate the extent of the liability of the signatory is limited to the installation described in Section 3 of this form.

Full name of registered person: ID number

Signature: Date Tel No. Email

Registration Certificate No. Date of registration Electrical Tester for Single Phase (ETSP) Installation Electrician (IE) Master Installation Electrician (MIE)