



NAPIT Electrical Installation Condition Report

Requirements for Electrical Installations –
BS 7671:2008 incorporating Amendment No.3, 2015
[IET Wiring Regulations 17th Edition]

NA/
EICR

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Zoom In

A Details of the installation

Client MARTIN WILSON
Address 22 ST. AUGUSTS ROAD
BRANMILL
SWANSEA
Postcode SA2 0BP

Installation (If different from client)
Address
Postcode

B Reason for producing this report

This form to be used only for reporting on the condition of an existing installation.

CLIENT REQUEST

Date(s) on which the inspection and testing were carried out 31/10/18 to 31/10/18

C Details of the installation which is the subject of this report

Description of premises Domestic Commercial Industrial Other (please state)
Estimated age of the wiring system 25+ years
Evidence of alterations or addition Yes No Not apparent If 'Yes', estimated 10 years
Records of installation available Yes No Records held by N/A
Date of last inspection U/W Electrical Installation Certificate No. or previous Inspection Report No. /

D Extent and limitations of inspection and testing

Extent of electrical installation covered by this report:

ENTIRE ELECTRICAL INSTALLATION

Agreed limitations (See Regulations 634.2) Agreed with: N/A

Operational limitations including the reasons (see page no / of /) N/A

The inspection and testing detailed within this report and accompanying schedule has been carried out in accordance with BS 7671: 2008

(IET Wiring Regulations), amended to 2015 (date) It should be noted that cables concealed within the trunkings and conduits, under floors, in roof spaces and generally within the fabric of the building or underground have **not** been inspected unless specifically agreed between the client and inspector prior to the inspection. An inspection should be made within an accessible roof space housing other electrical equipment.

E Summary of the condition of the installation

General conditions of the Installation (in terms of safety)

FAIR AT TIME OF TESTING. SOME AREAS OF INSTALLATION SHOWING SIGNS OF AGING.

Overall assessment of the installation in terms of its suitability for continued use SATISFACTORY UNSATISFACTORY*

* An UNSATISFACTORY assessment indicates that dangerous (code C1) and/or potentially dangerous (code C2) conditions have been identified

F Recommendations

Where the overall assessment of the suitability of the installation for continued use above is stated as UNSATISFACTORY, I / we recommend that any observations classified as 'Danger present' (code C1) or 'Potentially dangerous' (code C2) are acted upon as a matter of urgency. Investigation without delay is recommended for observations identified as 'further investigation required' (code F1) Observations classified as 'improvement recommended' (code C3) should be given due consideration. Subject to the necessary remedial action being taken, I / we recommend that the installation is further inspected and tested by 30/10/28 (date)

G Declaration

I/we, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our signatures below), particulars of which are described above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations and the attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and limitations in section D of this report.

Company RESPONSE ELEC LTD
Membership No. 30941
Address 27 BRUN ST.
BRANMILL
SWANSEA
Postcode SA2 9NP

Inspected and tested by
Name: R WAINOR
Signature: [Signature]
Position: DIRECTOR
Date: 31/10/18

Authorised for issue by
[Signature]
DIRECTOR
31/10/18

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H Schedule(s)

3 schedule(s) of inspection and 1 schedule(s) of test results are attached.

The attached schedule(s) are part of this document and this report is valid only when they are attached to it.



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Supply characteristics and earthing arrangements Tick boxes and enter details, as appropriate

Earthing Arrangements TN-S TN-C-S TT Other Please specify: _____

Number & type of live conductors: a.c. d.c. No. of phases: _____ No. of wires: _____
Nature of Supply Parameters (Date: () by enquiry, () by enquiry or by measurement)
Nominal voltage, U_n(V) _____ V Nominal frequency, f(Hz) _____ Hz Confirmation of supply polarity
Prospective fault current, I_{pf} (A) _____ MA External loop impedance, Z_e (Ω) _____ Ω
Supply Protective Device: BS(EN) _____ Type _____ Nominal Current Rating _____ A
Other features of Supply (as detailed in schedule to heading)

Particulars of installation referred to in this report Tick boxes and enter details, as appropriate

Means of Earthing: Distributor's facility Substation earth electrode
Details of Installation earth electrode (where applicable): Type (e.g. rod(s), type steel) _____
Location: _____ Electrode resistance to earth _____ Ω
Main Protective Conductors: Material _____ Size (mm²) _____ Verified (connection / continuity) _____
Main Earthing Conductor: _____ To water installation pipes _____ To structural steel _____
Protective Bonding Conductor: _____ To gas installation pipes _____ To lightning protection _____
Main Supply Conductors: _____ To water installation pipes _____ To structural steel _____

Local Circuit: Type of Protection (e.g. BS88, BS1361, RCD) _____
Location: _____ BS(EN) _____ Amps (A) _____
Circuit type: _____ BS(EN) _____ Type of Protection (e.g. BS88, BS1361, RCD) _____
Type of Protection (e.g. BS88, BS1361, RCD) _____
Type of Protection (e.g. BS88, BS1361, RCD) _____

Observations Explanation of codes

Referring to the schedule, schedule of inspection and test results, and in light of the findings of Condition 1:

- 1. No observations were required.
- 2. The following observations were noted:

- C1: Urgent remedial work required to bring installation into compliance with requirements.
- C2: Remedial work required to bring installation into compliance with requirements.
- C3: Remedial work required to bring installation into compliance with requirements.
- C4: Further investigation required to bring installation into compliance with requirements.

Each item is observed by: _____ Date: _____

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Note: For a full report refer to the schedule of inspection and test results, and to the schedule of findings in each case.
C1: Urgent remedial work required to bring installation into compliance with requirements.
C2: Remedial work required to bring installation into compliance with requirements.
C3: Remedial work required to bring installation into compliance with requirements.
C4: Further investigation required to bring installation into compliance with requirements.
This report is based on the information supplied by the client and the results of the inspection and test results.
The inspector is not responsible for any damage to the installation or any injury to persons or property.
NAPIT is not responsible for any damage to the installation or any injury to persons or property.



Condition Report Inspection Schedule for Domestic and Similar Premises with up to 100A Supply

Note: This form is suitable for many types of smaller installation not exclusively domestic.

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Schedule of Inspections

Outcomes

Acceptable condition: ✓	Unacceptable condition: State C1 or C2	Improvement recommended: C3	Further investigation FI	Not verified: NV	Limitation: Lim	Not applicable: N/A
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(In the Outcome column use the codes above. Provide additional comment where appropriate. C1/C2/C3 and FI coded items to be recorded in section K of the condition report)

Please Select
Outcome / Investigation
As Required

Item No.	Description	Outcome
4.23	Adequate arrangements where a generating set operates in parallel with the public supply [551.7]	N/A
5.0	FINAL CIRCUITS	
5.1	Identification of conductors [514.3.1]	C3
5.2	Cables correctly supported throughout their run [522.8.5]	/
5.3	Condition of insulation of live parts [416.1]	/
5.4	Non-sheathed cables protected by enclosures to ensure their integrity [522.10.3] To include the integrity of conduit and trunking systems [metallic and plastic]	/
5.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of the installation [Section 523]	/
5.6	Co-ordination between conductors and overload protective devices [433.1; 533.2.1]	/
5.7	Adequacy of protective devices: type and rated current for fault protection [411.3]	/
5.8	Presence and adequacy of circuit protective conductors [411.3.1.1; 543.1]	/
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences [Section 522.5]	/
5.10	Concealed cables installed in prescribed zones (see extent and limitations) [522.6.202]	/
5.11	Cables concealed under floors, above ceilings or in walls / partitions, adequately protected against damage see section D. Extent and limitations] [522.6.204]	/
5.12	Provision of additional protection by RCD not exceeding 30mA	
5.12.1	for all sockets-outlets of rating 20A or less, unless exempt [411.3.3]	/
5.12.2	for supply to mobile equipment not exceeding 32A rating for use outdoors [411.3.3]	/
5.12.3	for cables concealed in walls / partitions at a depth of less than 50mm [522.6.202; 522.6.204]	/
5.12.4	for cables concealed in walls / partitions containing metal parts regardless of depth [522.6.204]	/
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects [Section 527]	/
5.14	Cables segregated / separated from Bonded Cables [528.1]	/
5.15	Cables segregated / separated from Common Cabins; cabling [528.2]	/
5.16	Cables segregated/separated from non-electrical services [528.3]	/
5.17	Termination of cables at enclosures - include details of cabling in Section D of the report [Section 528]	
5.17.1	Conform to correctly made and made to order from [528.1]	/
5.17.2	No bare insulation of a conductor visible outside enclosure [528.1]	/
5.17.3	Connectors of live conductors adequately enclosed [528.1]	/
5.17.4	Adequately connected at point of entry to enclosure (glands, bushes etc...) [528.1.5]	/
5.18	Condition of accessories including socket-outlets, switches and joint boxes [521.2 (a)]	/
5.19	Suitability of accessories for external influences [512.3]	/
5.20	Adequacy of working space / accessibility to equipment [132.12; 513.1]	/
5.21	Single-pole switching or protective device in live conductors only [132.14.1; 520.3.2]	/

Inspector's Name: *R. D. ...*
Date: *24/10/16*

Signature: *[Signature]*

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Schedule of Inspections

Outcomes

Acceptable condition: ✓	Unacceptable condition: State C1 or C2	Improvement recommended: C3	Further investigation FI	Not verified: NV	Limitation: Lim	Not applicable: N/A
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(In the Outcome column use the codes above. Provide additional comment where appropriate. C1/C2/C3 and FI coded items to be recorded in section K of the condition report)

Item No.	Description	Outcome
6.0	LOCATION(S) CONTAINING A BATH OR SHOWER	
6.1	Additional protection for all low voltage [LV] circuits by RCD not exceeding 30 mA [701.411.3.3]	✓
6.2	Where used as a protective measure, requirements for SELV or PELV met [701.414.4.5]	✓
6.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 [701.512.3]	N/A
6.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2008 (701.415.2)	NTG
6.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3m from zone 1 [701.512.3]	NTA
6.6	Suitability of equipment for external influences for installed location in terms of UP rating [701.512.2]	✓
6.7	Suitability of accessories and control gear etc for a particular zone [701.512.3]	✓
6.8	Suitability of current-using equipment for particular position within the location [701.55]	✓
7.0	OTHER SPECIAL INSTALLATIONS OR LOCATIONS	
7.1	List all other special installations or locations present, if any. [Record the results of particular inspections applied separately]	
	N/A	

Please Select
Outcome / Investigation
As Required

Schedule of Tests

Results to be recorded on Schedule of Test Results

- ✓ External earth loop impedance, Ze
- Installation earth electrode
- ✓ Prospective fault current Ipf
- ✓ Continuity of Earth Conductors
- ✓ Continuity of Circuit Protective Conductors
- ✓ Continuity of ring final conductors
- ✓ Continuity of Protective Bonding Conductors
- Volt drop verified

- ✓ Insulation Resistance between Live conductors
- ✓ Insulation Resistance between Live conductors & Earth
- ✓ Polarity (prior to energisation)
- ✓ Polarity (after energisation) including phase sequence
- ✓ Earth fault loop impedance
- ✓ RCDs / RCBOs including discrimination
- ✓ Functional testing of devices

(insert ✓ or N/A)

Inspector's Name *P. DANIEL*
Date *31/10/18*

Signature

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NAPIT Electrical Test Schedule

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Client **MARVIN D-15012**

Installation address **22 ST. ALBAN'S RD. BRYNOR SWANSEA**

Postcode **SA2 0BB**

Complete in every case

Location of distribution board **HALLWAY**
Distribution board designation **DB1**
Number of ways **10**

Supply to distribution board is from **N/A**
Overcurrent protective device for the distribution circuit: Type BS(EN) **N/A**
Supply polarity confirmed

Characteristics at this distribution board
Z_{db} **N/A** V **N/A**
Operating lines of **N/A** ms
kA associated at 5 I_{Δn} **N/A** ms
RCD (if any) **N/A**
No of Poles **N/A**

Test instrument serial number(s)
Earth fault loop imped. **1424501**
Insulation resistance **"**
Continuity **"**
RCD **"**

CIRCUIT DETAILS

Circuit No. and line No.	Circuit designation	Circuit conductors		Type of wiring	Ref. method	No. of points served	Overcurrent protective device		BS EN Number	Type No.	Rating (A)	Breaking capacity (kA)	BS7671 Max. permitted Z _s Other	Circuit impedance Ω			Insulation resistance (Record lower reading)		RCD testing					
		Live (mm ²)	CPC (mm ²)				BS7671 Max. permitted Z _s Other	RCD operating current I _{Δn} (mA)						Ring final circuits only (measured end to end)	All circuits to be completed using R1, R2, or R2, not both	Live / Live (MΩ)	Live / Earth (MΩ)	Polarity	Maximum measured Z _s (Ω)	at I _{Δn} ms	at 5 I _{Δn} ms	Test Button operation (✓)		
1	MAIN SWITCH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
2	FINE ALARM	1.5	1.0	0	C	1	1.5	0.4	60898	B	6	6	7.28	-	-	0.69	> 500	> 500	✓	0.33	-	-	-	
3	LIGHTING HALL+OIS	1.5	1.0	0	C	2	1.5	0.4	60898	B	6	6	7.28	-	-	0.73	> 500	> 500	✓	0.40	-	-	-	
4	WTS BARN+EFF	1.5	1.0	0	C	15	1.5	0.4	61009	B	6	6	7.28	-	-	1.56	> 500	> 500	✓	1.39	42.0	28.2	✓	
5	WTS 4/E	1.5	1.0	0	C	3	1.5	0.4	60898	B	6	6	7.28	-	-	0.96	> 500	> 500	✓	0.92	-	-	-	
6	RCD	-	-	-	-	-	-	-	61008	-	-	-	-	-	-	-	-	-	-	-	22.0	21.8	✓	
7	W/W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	FRONT SOCKETS	2.5	1.5	1.5	A	26	2.5	0.4	60898	B	32	6	1.37	-	-	0.35	> 500	> 500	✓	2.50	-	-	-	
9	REAR SOCKETS	2.5	1.5	1.5	A	20	2.5	0.4	60898	B	32	6	1.37	-	-	0.42	> 500	> 500	✓	2.61	-	-	-	
10	2 ND FLOOR SOCKETS	2.5	1.5	1.5	A	14	2.5	0.4	60898	B	20	6	1.37	-	-	0.41	> 500	> 500	✓	0.46	-	-	-	
11	COOKER 1	6.0	2.5	2.5	A	2	6.0	0.7	60898	B	32	6	1.37	-	-	0.69	> 500	> 500	✓	0.35	-	-	-	
12	COOKER 2	6.0	2.5	2.5	A	2	6.0	0.4	60898	B	32	6	1.37	-	-	0.75	> 500	> 500	✓	0.41	-	-	-	

Details of circuits and/or installed equipment vulnerable to damage when testing

N/A

See attached sheets page(s) of

Wiring Types 1= PVC/PVC 2= Single Insulated in Conduit or Trunking 3= Mineral Insulated 4= SWA/XPLE 5= FP200 6= Other =

Tested by: Name (capital letters) **PRICE WALKER**

Signature

Position **DIRECTOR**

Date(s) **31/10/18**