

NAPIT *Electrical Installation* Condition Report

Guidance for recipients

This report is an important and valuable document which should be retained for future reference

1. The purpose of this condition report is to confirm, so far as reasonably practicable, whether or not the electrical installation is in a satisfactory condition for continued service (see Section E). The report should identify any damage, deterioration, defects and/or conditions which may give rise to danger (see Section K).
2. The person ordering the Report should have received the original Report and the inspector should have retained a duplicate.
3. The original Report should be retained in a safe place and be made available to any person inspecting or undertaking work on the electrical installation in the future. If the property is vacated, this Report will provide the new owner /occupier with details of the condition of the electrical installation at the time the Report was issued.
4. Where the installation incorporates residual current devices (RCDs) there should be a notice at or near the devices stating that they should be tested quarterly. **For safety reasons it is important that these instructions are followed.**
5. Section D (Extent and Limitations) should identify fully the extent of the installation covered by this Report and any limitations on the inspection and testing. The inspector should have agreed these aspects with the person ordering the Report and with other interested parties (licensing authority, insurance company, mortgage provider and the like) before the inspection was carried out.
6. Some operational limitations such as such as inability to gain access to parts of the installation or an item of equipment may have been encountered during the inspection. The inspector should have noted these in Section D.
7. For items classified in Section K as **C1 ("Danger Present")**, **the safety of those using the installation is at risk** and it is recommended that a skilled person or persons competent in electrical installation work undertakes the necessary remedial work immediately.
8. For items classified in Section K as **C2 ("Potentially Dangerous")**, **the safety of those using the installation may be at risk** and it is recommended that a skilled person or persons competent in electrical installation work undertakes the necessary remedial work as a matter of urgency.
9. Where it has been stated in Section K that an observation requires further investigation **code FI** the inspection has revealed an apparent deficiency which may result in a code C1 or C2 could not, due to the extent or limitations of this inspection, be fully identified. Such observations should be investigated as soon as possible. A further examination of the installation will be necessary, to determine the nature and extent of the apparent deficiency (see Section F).
10. **For Safety reasons**, the electrical installation should be re-inspected at appropriate intervals by a skilled person or persons competent in such work. The recommended date by which the next inspection is due is stated in Section F of the Report under 'Recommendations' and on a label at or near to the consumer unit /distribution board.



Electrical Installation Condition Report

for Domestic and Similar Premises with up to 100A Supply
Requirements for Electrical Installations – BS 7671: 2008
incorporating Amendment No.3,2015 [IET Wiring Regulations
17th Edition] Only for the reporting on the condition of an existing
installation.

NA/ 2 2 3 0 0 0 0 0 0 1 0 0 2

Page 1 of 6

A Details of the installation

Client Mr. Stefan Olaru
Address 11 Clifton Hill
Mount Pleasant
Swansea
Postcode SA1 6XQ

Installation (If different from client) Mr. Stefan Olaru
Address 11 Clifton Hill
Mount Pleasant
Swansea
Postcode SA1 6XQ

B Reason for producing this report This form to be used only for reporting on the condition of an existing installation.

To assess the condition of the electrics against the UK standards for electrical safety BS 671.
Condition of concealed wiring a limitation in this inspection report.

Date(s) on which the inspection and testing were carried out 21/06/2018 to 21/06/2018

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 20+ years
Evidence of alterations or addition Yes No Not apparent If 'Yes', estimated Recent years
Records of installation available Yes No Records held by NA
Date of last inspection Not Known Electrical Installation Certificate No. or previous Inspection Report No. Not known

D Extent and limitations of inspection and testing

Extent of electrical installation covered by this report:
All circuits, consumer unit and protective earth bonding

Agreed limitations (See Regulations 634.2) Agreed with: Client

Operational limitations including the reasons

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 2016 (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)

Some recommendations have been improved since my last inspection, the system is found to be in safe condition.

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 FI) 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 21/06/2023 (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	Fire-Ex	Inspected and tested by	Authorised for issue by
Membership No.	22300	Name: Andrew Lowther	Andrew Lowther
Address	91 Lluest Ystradgynlais SWANSEA, Glamorgan	Signature: Andrew Lowther	Andrew Lowther
		Position: Electrical Inspector	Electrical Inspector
Postcode	SA9 1HU	Date: Not Specified	Not Specified

H Schedule(s)

1 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.

This form is based on the requirements of Appendix 6 of BS 7671

NAPIT Administration Centre, 4th Floor, Mill 3, Pleasley Vale Business Park, Mansfield, Nottinghamshire NG19 8RL

NA/EICR/001 (V3)



Electrical Installation Condition Report

for Domestic and Similar Premises with up to 100A Supply

Requirements for Electrical Installations – BS 7671: 2008
incorporating Amendment No.3,2015 [IET Wiring Regulations
17th Edition] Only for the reporting on the condition of an existing
installation.

NA/ 2 2 3 0 0 0 0 0 0 1 0 0 2

Page 2 of 6

Supply characteristics and earthing arrangements

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

Number & type of live conductors a.c. d.c. No. of phases 1 No. of wires 2

Nature of Supply Parameters (Note: (°) by enquiry, (°) by enquiry or by measurement)

Nominal voltage, U/U₀(°) 230 v Nominal frequency, f(°) 50 Hz Confirmation of supply polarity

Prospective fault current, I_{pf}(°) 0.91 kA External loop impedance, Z_e(°) 0.25 Ω

Supply Protective Device BS(EN) 1361 Type 2 Nominal Current Rating 60 A

Other Sources of Supply _____

Particulars of installation referred to in this report

Means of Earthing Distributor's facility Installation earth electrode

Details of Installation earth electrode (where applicable) Type (e.g. rod(s), tape etc) N/A

Location N/A Electrode resistance to earth N/A Ω

Main Protective Conductors Material Csa (mm²) **Verified (connection / continuity)..**

Earthing Conductor	Copper	10	<input checked="" type="checkbox"/>	To water installation pipes <input checked="" type="checkbox"/>	To structural steel <input type="checkbox"/>
Protective Bonding Conductor	Copper	10	<input checked="" type="checkbox"/>	To gas installation pipes <input checked="" type="checkbox"/>	To lightning protection <input type="checkbox"/>
Main Supply Conductor(s)	Copper	10	<input checked="" type="checkbox"/>	To oil installation pipes <input type="checkbox"/>	Other <input type="checkbox"/>

Main Switch / Switch-Fuse/ Circuit Breaker / RCD

Location Entrance cupboard BS (EN) 60947-3 No. of Poles 2

Current rating 100 A Fuse/device rating or setting 63 A Voltage rating 230 V

If RCD main switch: Rated residual operating current I_{Δn} = _____ mA Rated time delay _____ ms (at I_{Δn})

Measured operating time at I_{Δn} = _____ ms

Observations

Referring to the attached schedule of inspection and test results, and subject to the limitations at Section D.

No remedial work required The following observations are made

Explanation of codes

C1. Danger present. Risk of injury. Immediate remedial action required
C2. Potentially dangerous. Immediate remedial action required.
C3. Improvement recommended.
FI. Further investigation required without delay

Item No.	Observation	Code
1	The consumer unit is made of combustible materials. Ref: Amendment 3 BS767	C3
2	Bathroom lights require RCD protection	C3

One of the above codes, as appropriate, has been allocated to each of the observations made above and/or any attached observation sheets to indicate to the person(s) responsible for the installation the degree of urgency for remedial action.

C1 Immediate remedial work required for items	
C2 Urgent remedial work required for items	
C3 Improvement(s) recommended for items	1, 2
FI Further investigation required without delay	



Electrical Installation Condition Report Inspection Schedule

for Domestic and Similar Premises with up to 100A Supply

Requirements for Electrical Installations – BS 7671: 2008 incorporating Amendment No.3,2015 [IET Wiring Regulations 17th Edition] Only for the reporting on the condition of an existing installation. **Note: This form is suitable for many types of smaller installation not exclusively domestic.**

NA/ 2 2 3 0 0 0 0 0 0 1 0 0 2

Page 3 of 6

A

Schedule of Inspections Outcomes

Acceptable condition: <i>Pass</i>	Unacceptable condition: <i>State</i> <i>C1</i> or <i>C2</i>	Improvement recommended: <i>C3</i>	Further investigation <i>FI</i>	Not verified: <i>NV</i>	Limitation: <i>Lim</i>	Not applicable: <i>N/A</i>
--------------------------------------	--	---------------------------------------	------------------------------------	----------------------------	---------------------------	-------------------------------

(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
1.0	DISTRIBUTOR'S / SUPPLY INTAKE EQUIPMENT	
1.1	Condition of service cable	Pass
1.2	Condition of service head	Pass
1.3	Condition of distributor's earthing arrangement	Pass
1.4	Condition of meter tails - Distributor / Consumer	Pass
1.5	Condition of metering equipment	Pass
1.6	Condition of isolator (where present)	Pass
2.0	Presence of adequate arrangements for:	
2.1	Other sources such as microgenerators [551.6; 551.7]	N/A
3.0	EARTHING / BONDING ARRANGEMENTS [411.3; Chap.54]	
3.1	Presence and condition of distributor's earthing arrangement [542.1.2.1; 542.1.2.2]	Pass
3.2	Presence and condition of earth electrode connection where applicable [542.1.2.3]	N/A
3.3	Provision of earthing / bonding labels at all appropriate locations [514.13.1]	Pass
3.4	Confirmation of earthing conductor size [542.3; 543.1.1]	Pass
3.5	Accessibility and condition of earthing conductor at MET [543.3.2]	Pass
3.6	Confirmation of main protective bonding conductor sizes [544.1]	Pass
3.7	Condition and accessibility of main protective bonding conductor connections [543.3.2; 544.1.2]	Pass
3.8	Accessibility and condition of all other protective bonding connections [543.3.2]	Pass
4.0	CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)	
4.1	Adequacy of working space / accessibility to consumer unit / distribution board [132.12; 513.1]	Pass
4.2	Security of fixing [134.1.1]	Pass
4.3	Condition of enclosure[s] in terms of IP rating etc [416.2]	Pass
4.4	Condition of enclosure[s] in terms of fire rating etc [421.1.201; 526.5]	C3
4.5	Enclosure not damaged/deteriorated so as to impair safety [[621.2 [iii]]]	Pass
4.6	Presence of linked main switch [as required by 537.1.4]	Pass
4.7	Operation of main switch [functional check] [612.13.2]	Pass
4.8	Manual operation of circuit-breakers and RCDs to prove disconnection [612.13.2]	Pass
4.9	Correct identification of circuit details and protective devices [514.8.1; 514.9.1]	Pass
4.10	Presence of RCD quarterly test notice at or near consumer unit / distribution board [514.12.2]	Pass
4.11	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit / distribution board [514.14]	Pass
4.12	Presence of alternative supply warning notice at or near consumer unit / distribution board [514.15]	N/A
4.13	Presence of other required labelling [Please specify] [Section 514]	C3
4.14	Examination of protective device[s] and base[s]; correct type and rating [no signs of unacceptable thermal damage, arcing and overheating] [421.1.3]	Pass
4.15	Single-pole switching or protective devices in line conductors only [132.14.1; 530.3.2]	Pass
4.16	Protection against mechanical damage where cables enter consumer unit / distribution board [522.8.1; 522.8.11]	C3
4.17	Protection against electromagnetic effects where cables enter consumer unit / distribution board / enclosures [521.5.1]	C3
4.18	RCD[s] provided for fault protection - includes RCBO[s] [411.4.9; 411.5.2; 531.2]	Pass

Inspector's Name Andrew Lowther

Date 21/06/2018

Signature

Andrew Lowther



Electrical Installation Condition Report Inspection Schedule

for Domestic and Similar Premises with up to 100A Supply

Requirements for Electrical Installations – BS 7671: 2008 incorporating Amendment No.3,2015 [IET Wiring Regulations 17th Edition] Only for the reporting on the condition of an existing installation. **Note: This form is suitable for many types of smaller installation not exclusively domestic.**

NA/	2	2	3	0	0	0	0	0	0	1	0	0	2
Page											4	of	6

Schedule of Inspections Outcomes

Acceptable condition: <i>Pass</i>	Unacceptable condition: <i>State C1 or C2</i>	Improvement recommended: <i>C3</i>	Further investigation <i>FI</i>	Not verified: <i>NV</i>	Limitation: <i>Lim</i>	Not applicable: <i>N/A</i>
--------------------------------------	---	---------------------------------------	------------------------------------	----------------------------	---------------------------	-------------------------------

(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
4.19	RCD[s] provided for additional protection includes RCBO[s] [411.3.3;415.1]	Pass
4.20	Confirmation of indication that the SPDs functional [534.2.8]	Pass
4.21	Confirmation that ALL conductor connections including busbars, are correctly located in terminals and are tight and	Pass
4.22	Adequate arrangements where a generator set operates as a switched alternative to the public supply [551.6]	N/A
4.23	Adequate arrangements where a generator set operates in parallel with the public supply [551.7]	N/A
5.0	FINAL CIRCUITS	
5.1	Identification of conductors [514.3.1]	Pass
5.2	Cables correctly supported throughout their run [522.8.5]	Lim
5.3	Condition of insulation of live parts [416.1]	Pass
5.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking [521.10.1] To include the integrity of conduit and trunking systems [metallic and plastic]	Pass
5.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of the installation [Section 523]	Pass
5.6	Co-ordination between conductors and overload protective devices [433.1; 533.2.1]	Pass
5.7	Adequacy of protective devices; type and rated current for fault protection [411.3]	Pass
5.8	Presence and adequacy of circuit protective conductors [411.3.1.1; 543.1]	Pass
5.9	Wiring system[s] appropriate for the type and nature of the installation and external influences [Section 522]	Pass
5.10	Concealed cables installed in prescribed zones [See Section D. extent and limitations] [522.6.202]	Lim
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]	Lim
5.12	Provision of additional protection by RCD not exceeding 30mA:	
5.12.1	for all socket-outlets of rating 20 A or less unless exempt [Regulation 411.3.3]	Pass
5.12.2	for supply to mobile equipment not exceeding 32 A rating for use outdoors [411.3.3]	Pass
5.12.3	for cables concealed in walls / partitions at a depth of less than 50mm [522.6.202; 522.6.203]	Pass
5.12.4	for cables concealed in walls / partitions containing metal parts regardless of depth [522.6.203]	Pass
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects [Section 527]	Pass
5.14	Band II Cables segregated / separated from Band I cables [528.1]	Lim
5.15	Cables segregated / separated from communications cabling [528.2]	Lim
5.16	Cables segregated / separated from non-electrical services [528.3]	Lim
5.17	Termination of cables at enclosures – indicate extent of sampling in Section D of the report [Section 526]	
5.17.1	Connections soundly made and under no undue strain [526.6]	Pass
5.17.2	No basic insulation of a conductor visible outside enclosure [526.8]	Pass
5.17.3	Connections of live conductors adequately enclosed [526.5]	Pass
5.17.4	Adequately connected at point of entry to enclosure [glands, bushes etc...] [522.8.5]	C3
5.18	Condition of accessories including socket-outlets, switches and joint boxes [621.2 [iii]]	Pass
5.19	Suitability of accessories for external influences [512.2]	N/A
5.20	Adequacy of working space / accessibility to equipment [132.12; 513.1]	Pass
5.21	Single-pole switching or protective devices in line conductors only [132.14.1; 530.3.2]	Pass

Inspector's Name **Andrew Lowther**
Date **21/06/2018**

Signature

Andrew Lowther



Electrical Installation Condition Report Inspection Schedule

for Domestic and Similar Premises with up to 100A Supply

Requirements for Electrical Installations – BS 7671: 2008 incorporating Amendment No.3,2015 [IET Wiring Regulations 17th Edition] Only for the reporting on the condition of an existing installation. **Note: This form is suitable for many types of smaller installation not exclusively domestic.**

NA/ 2 2 3 0 0 0 0 0 0 0 1 0 0 2

Page 5 of 6

Schedule of Inspections

Outcomes

Acceptable condition: <i>Pass</i>	Unacceptable condition: <i>State C1 or C2</i>	Improvement recommended: <i>C3</i>	Further investigation <i>FI</i>	Not verified: <i>NV</i>	Limitation: <i>Lim</i>	Not applicable: <i>N/A</i>
--------------------------------------	---	---------------------------------------	------------------------------------	----------------------------	---------------------------	-------------------------------

(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[s] not exceeding 30 mA [701.411.3.3]	C3
6.2	Where used as a protective measure, requirements for SELV or PELV met [701.414.4.5]	N/A
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]	N/A
6.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3 m from zone 1 [701.512.3]	N/A
6.6	Suitability of equipment for external influences for installed location in terms of IP rating [701.512.2]	Pass
6.7	Suitability of accessories and control gear etc for a particular zone [701.512.3]	Pass
6.8	Suitability of current-using equipment for particular position within the location [701.55]	Pass
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]	

Schedule of Tests

Results to be recorded on Schedule of Test Results

- Yes External earth loop Impedance, Ze
- Yes Installation earth electrode
- Yes Prospective fault current Ipf
- Yes Continuity of Earth Conductors
- Yes Continuity of Circuit Protective Conductors
- Yes Continuity of ring final conductors
- Yes Continuity of Protective Bonding Conductors
- N/A Volt drop verified

(insert Yes or N/A)

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

Inspector's Name Andrew Lowther
Date 21/06/2018

Signature
Andrew Lowther

© Copyright NAPIT June 2015



Electrical Installation Condition Report Test Schedule

for Domestic and Similar Premises with up to 100A Supply
 Requirements for Electrical Installations – BS 7671:2008 incorporating Amendment No.3 2015
 [IET Wiring Regulations 17th Edition]

NA/ 2 2 3 0 0 0 0 0 0 0 1 0 0 2

Page 6 of 6

Client Mr. Stefan Olaru Installation address 11 Clifton Hill, Mount Pleasant, Swansea, Postcode SA1 6XQ

Complete in every case

Location of distribution board Entrance Cupboard
 Distribution board designation DB1
 Number of ways 4

Complete only if the distribution board is not connected directly to the origin of the installation

Supply to distribution board is from
 Overcurrent protective device for the distribution circuit: No. of phases 1 Nominal Voltage 230 V
 Type BS(EN) 60898 B Rating 32 A
 Supply polarity confirmed Phase sequence confirmed

Characteristics at this distribution board

Z_{db} 0.54 Ω Operating times of At $I_{\Delta n}$ ms
 I_{pf} 0.91 kA associated RCD(if any) at 5 $I_{\Delta n}$ ms

Associated RCD (if any): BS (EN)
 RCD No of Poles $I_{\Delta n}$ mA

Test instrument serial number(s)

Earth fault loop imped. 101553446
 Insulation resistance 101553446
 Continuity 101553446
 RCD 101553446

CIRCUIT DETAILS

TEST RESULTS

Circuit No. and line No.	Circuit designation	Type of wiring	Ref. method	No. of points served	Circuit conductors csa		Maximum disconnection time (BS:7671) (s)	Overcurrent protective devices				RCD operating current $I_{\Delta n}$ (mA)	BS7671 Max. permitted value Z_s Other 80% Ω	Circuit impedance Ω					Insulation resistance (Record lower reading)		Polarity \checkmark	Maximum measured Z_s (Ω)	RCD testing			
					Live (mm ²)	CPC (mm ²)		BS EN Number	Type No.	Rating (A)	Breaking capacity (kA)			Ring final circuits only (measured end to end)			Figure 8 check \checkmark	All circuits to be completed using R1 R2, or R2, not both		Live / Live (M Ω)			Live / Earth (M Ω)	at $I_{\Delta n}$ ms	at 5 $I_{\Delta n}$ ms	Test Button operation \checkmark
														r_1	r_n	r_2		R_1+R_2	R_2							
1	Hob	1	101	1	4.0	2.5	0.4	60898	B	32	6	1.10	NA	NA	NA	NA	0.32	2.35	>200	>200	\checkmark	0.54			NA	
2	Rind circuit	1	101	11	2.5	1.5	0.4	61009	B	32	6	30	1.10	0.68	0.61	0.85	\checkmark	0.38	NA	53	54	\checkmark	0.41	18.5	18.6	\checkmark
3	Lights	1	101	9	1.5	1.5	0.4	60898	B	6	6	5.82	NA	NA	NA	NA	1.07	NA	3.50	3.65		1.24			NA	
4	Spare															NA										NA

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

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

Boiler and controls.

Tested by: Name (capital letters) ANDREW LOWTHER

Position Electrical Inspector

Date Not Specified

Signature