



NAPIT Electrical Installation Condition Report

Requirements for Electrical Installations -
BS 7671:2008 incorporating Amendment No.1, 2011
[IET Wiring Regulations 17th Edition]

NA/ 1 1 6 7 9 0 0 1 1 8

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A Details of the installation

Client PLS PROPERTIES	Installation (If different from client)
Address 16 CASTLETON GROVE JESMOND NEWCASTLE UPON TYNE	Address 69 SMOOKER WGE TERRACE NEWCASTLE UPON TYNE
Postcode NE2 2HD	Postcode

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

LANDLORD REQUEST, PREVIOUS REPORT DUE TO EXPIRE

Date(s) on which the inspection and testing were carried out **25/6/14** to **25/6/14**

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 **10/12** years

Evidence of alterations or addition Yes No Not apparent If 'Yes', estimated _____ years

Records of installation available Yes No Records held by _____

Date of last inspection **20/6/14** Electrical Installation Certificate No. or previous Inspection Report No. **NA/PIR 216303**

D Extent and limitations of inspection and testing

Extent of electrical installation covered by this report:

All readily accessible sockets found were tested. Approx 20% of accessories were removed for inspection. R1 + R2 tests were only carried out on ring circuits. A full inspection was carried out at the consumer unit with a group insulation test of phase and neutral to earth.

Agreed limitations (See Regulations 634.2) Agreed with: _____ Client

Operational limitations including the reasons (see page no _____ of _____)

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 **2011** (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.

E Summary of the condition of the installation

General conditions of the Installation (in terms of safety)

SATISFACTORY 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'. 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 **25/6/14** (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 DJ Electrical Services	Inspected and tested by	Authorised for issue by
Membership No. 11679	Name: David Mullen	David Mullen
Address 39 Broomhill Gardens Hartlepool	Signature: <i>D Mullen</i>	<i>D Mullen</i>
Postcode TS26 0JP	Position: Proprietor	Proprietor
	Date: 25/6/14	25/6/14

H Schedule(s)

_____ schedule(s) of inspection and _____ 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

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/U_o(°) 230 v Nominal frequency, f(°) 50 Hz Confirmation of supply polarity Yes

Prospective fault current, I_{pf}(°) 2.2 kA External loop impedance, Z_e(°) 0.13 Ω

Supply Protective Device BS 88 Type II Nominal Current Rating 60 A

Other Sources of Supply (as detailed in attached schedule) _____

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) _____

Location _____ Electrode resistance to earth _____ Ω

Main Protective Conductors Material Csa (mm²) Verified Csa (mm²) Verified

Earthing Conductor Copper 16 Water 10

Protective Bonding Conductor Copper 16 Gas 10

Other _____ Oil _____

Main Switch / Switch-Fuse/ Circuit Breaker / RCD

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

Current rating 100 A Fuse/device rating or setting _____ 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 OR The following observations are made

Explanation of codes

- C1. Danger present. Risk of injury. Immediate remedial action required.
- C2. Potentially dangerous. Urgent remedial action required.
- C3. Improvement recommended.

Item No.	Observations	Code	Further investigation required yes/no

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.

Note: For additional report pages use the continuation report form with the relevant serial number and page numbers detailed on each page.

Immediate remedial work recommended for items _____

Urgent remedial work recommended for items _____

Improvement(s) recommended for items _____

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

Requirements for Electrical Installations – BS 7671:2008 incorporating Amendment No.1, 2011 [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.

A Schedule of Inspections Outcomes

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

Item No.	Description	Outcome	Further investigation required yes/no
1.0	DISTRIBUTOR'S / SUPPLY INTAKE EQUIPMENT		
1.1	Service cable condition	✓	NO
1.2	Condition of service head	✓	NO
1.3	Condition of tails Distributor	✓	NO
1.4	Condition of tails Consumer	✓	NO
1.5	Condition of metering equipment	✓	NO
1.6	Condition of isolator (where present)	✓	NO
2.0	Presence of adequate arrangements for – other sources such as microgenerators (551.6; 551.7)		
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)	✓	NO
3.2	Presence and condition of earth electrode connection where applicable (542.1.2.3)	✓	NO
3.3	Provision of earthing / bonding labels at all appropriate locations (514.13.1)	✓	NO
3.4	Confirmation of earthing conductor size (542.3; 543.1.1)	✓	NO
3.5	Accessibility and condition of earthing conductor at MET (543.3.2)	✓	NO
3.6	Confirmation of main protective bonding conductor sizes (544.1)	✓	NO
3.7	Condition and accessibility of main protective bonding conductor connections (543.3.2; 544.1.2)	✓	NO
3.8	Accessibility and condition of all protective bonding connections (543.3.2)	✓	NO
4.0	CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)		
4.1	Adequacy of working space / accessibility to consumer unit / distribution board (132.1.2; 513.1)	✓	
4.2	Security of fixing (134.1.1)	✓	
4.3	Condition of enclosure(s) in terms of IP rating etc (416.2)	✓	
4.4	Condition of enclosure(s) in terms of fire rating etc (526.5)	✓	
4.5	Enclosure not damaged/deteriorated so as to impair safety (621.2 [iii])	✓	
4.6	Presence of linked main switch (as required by 537.1.2 ; 537.1.4)	✓	
4.7	Operation of main switch (functional check) (612.13.2)	✓	
4.8	Manual operation of circuit-breakers and RCDs to prove disconnection (612.13.2)	✓	
4.9	Correct identification of circuit details and protective devices (514.8.1; 514.9.1)	✓	
4.10	Presence of RCD retest notice present at or near consumer unit / distribution board (514.12.2)	✓	
4.11	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit/distribution board (514.14.1)	✓	
4.12	Presence of alternative supply warning notice at or near consumer unit / distribution board (514.15.1)	✓	
4.13	Presence of other required labelling (Please specify) (514)	✓	
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)	✓	
4.15	Single-pole protective devices in line conductor only (132.14.1, 530.3.2)	✓	
4.16	Protection against mechanical damage where cables enter consumer unit / distribution board (522.8.1; 522.8.11)	✓	

Inspector's Name **DAVID MULLIGAN**
Date **25/6/14**

Signature *D. Mulligan*

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Schedule of Inspections

Outcomes

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

Item No.	Description	Outcome	Further investigation required yes/no
4.17	Protection against electromagnetic effects where cables enter consumer unit / distribution board / enclosures (521.5.1)	✓	NO
4.18	RCD(s) provided for fault protection – includes RCBOs(411.4.9; 411.5.2 -;Section 531)	✓	NO
4.19	Selection and operation (612.10) 612.13.2) of RCD(s) provided for additional protection – includes RCBOs (411.3.3; 415.1)	✓	NO
5.0	FINAL CIRCUITS		
5.1	Identification of conductors (514.3.1)	✓	NO
5.2	Cables correctly supported throughout their run (522.8.5)	Lim	NO
5.3	Condition of insulation of live parts (416.1)	✓	NO
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)	NA	NO
5.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of the installation (Section 523)	✓	NO
5.6	Co-ordination between conductors and overload protective devices (433.1; 533.2.1)	✓	NO
5.7	Adequacy of protective devices; type and rated current for fault protection (411.3)	✓	NO
5.8	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)	✓	NO
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)	✓	NO
5.10	Concealed cables installed in prescribed zones (see extent and limitations) (522.6.101)	Lim	NO
5.11	Concealed cables incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage from nails, screws and the like (see extent and limitations) (522.6.101; 522.6.103)	NA	NO
5.12	Provision of additional protection by RCD not exceeding 30mA		
	for all socket-outlets of rating 20 A or less provided for use by ordinary persons unless exempt (Regulation 411.3.3)	✓	NO
	used to supply mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)	✓	NO
	for cables concealed in walls or partitions (522.6.102; 522.6.103)	✓	NO
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (527)	Lim	NO
5.14	Band II cables segregated / separated from Band I cables (528.1)	NA	NO
5.15	Cables segregated / separated from communications cabling (528.2)	Lim	NO
5.16	5.16 Cables segregated/separated from non-electrical services (528.3)	Lim	NO
5.17	Termination of cables at enclosures – indicate extent of sampling in Section D of the report		
	Connections soundly made and under no undue strain (526.6)	✓	NO
	No basic insulation of a conductor visible outside enclosure (526.8)	✓	NO
	Connections of live conductors adequately enclosed (526.5)	✓	NO
	Adequately connected at point of entry to enclosure (glands, bushes etc...) (522.8.5)	✓	NO
5.18	Condition of accessories including socket-outlets, switches and joint boxes (134.1.1; 621.2 [iii])	✓	NO
5.19	Suitability of accessories for external influences (512.2)	✓	NO

Inspector's Name

Signature

Date



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Schedule of Inspections

Outcomes

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

Item No.	Description	Outcome	Further investigation required yes/no
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)	✓	NO
6.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	NA	NO
6.3	Shaver sockets comply with BS EN 61558-2-5 or BS 3535 (701.512.3)	NA	NO
6.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2008 (701.415.2)	✓	NO
6.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3 m from zone 1 (701.512.3)	NA	NO
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	✓	NO
6.7	Suitability of equipment for installation in a particular zone (701.512.3)	✓	NO
6.8	Suitability of current-using equipment for particular position within the location (701.55)	✓	NO
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)	NA	NO

Schedule of Tests

Results to be recorded on Schedule of Test Results

- | | |
|--|--|
| <ul style="list-style-type: none"> ✓ External earth loop impedance, Z_e ✓ Installation earth electrode ✓ Prospective fault current I_{pf} ✓ Continuity of Earth Conductors ✓ Continuity of Circuit Protective Conductors ✓ Continuity of Protective Bonding Conductors ✓ Volt drop verified | <ul style="list-style-type: none"> ✓ 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 ✓, Lim or NA)

Inspector's Name David Mullen
Date 25/06/14

Signature



NAPIT Electrical Test Schedule

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Please complete all the unshaded areas.

NA/EIC/EICR 1167900118
*Delete as applicable
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Client **PLS PROPERTIES** Installation address **69 SHORSTROKE TERRACE** Postcode _____

Complete in every case
 Location of distribution board **TOP of STAIRS**
 Distribution board designation **Power**
 Number of ways **12**

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: Type BS(EN) _____ Rating _____ A
 Supply polarity confirmed _____ Phase sequence confirmed _____

Overcurrent protective devices:
 BS EN Number _____ Type No. _____ Rating (A) _____ p/c _____
 Maximum disconnection time (BS:7671) (s) _____

Circuit conductors:
 Live (mm²) _____ CPC (mm²) _____
 No. of points served _____

Ref. method _____ Type of wiring _____

Circuit designation _____

Characteristics at this distribution board:
 V _____ Z_e _____ Ω Operating times of RCD _____ ms
 I_{pn} _____ mA At I_{Δn} _____ ms
 I_{Δn} _____ mA RCD No of Poles _____

Associated RCD (if any): BS (EN) _____ I_{Δn} _____ mA
 Insulation resistance (Record lower reading): Live / Live (MΩ) _____ Live / Earth (MΩ) _____
 Earth fault loop imped. _____ Ω Polarity (✓) _____
 Insulation resistance _____ Ω Polarity (✓) _____
 Continuity _____ Ω Polarity (✓) _____
 RCD _____ Ω Polarity (✓) _____

TEST RESULTS

Circuit No. and phase	Circuit designation	Circuit conductors		No. of points served	Ref. method	Type of wiring	Overcurrent protective devices			BS7671 Max. permitted value Z _e Others	Circuit impedance Ω			Insulation resistance (Record lower reading)			RCD testing		
		Live (mm ²)	CPC (mm ²)				BS EN Number	Type No.	Rating (A)		p/c	BS EN Number	Type No.	Rating (A)	Ring final circuits only (measured end to end)	Live / Live (MΩ)	Live / Earth (MΩ)	Maximum measured Z _e (Ω)	at I _{Δn} ms
1	ALARM	1.5	1	5	60898	C	6	10	30	6.13	0.05	>100	>100	0.15	28	14	✓		
2	SMOKE DET.	1.5	1	5	60898	B	6	10	30	6.13	1.40	>100	>100	1.52	28	14	✓		
3	LOFT LIGHTS	1.5	1	5	60898	B	10	10	30	3.80	0.51	>100	>100	0.64	28	14	✓		
4	1st FLOOR LIGHTS	1.5	1	5	60898	B	10	10	30	3.80	1.1	>100	>100	1.23	28	14	✓		
5	TV BOOSTER SAT	2.5	1.5	4	60898	C	16	10	30	2.29	0.17	>100	>100	0.28	28	14	✓		
6	1st floor SOCKETS	2.5	1.5	4	60898	B	32	10	30	1.15	0.95	>100	>100	0.75	28	14	✓		
7	LOFT SOCKETS	2.5	1.5	4	60898	C	32	10	30	1.15	0.80	>100	>100	0.61	28	14	✓		
8	KITCHEN SOCKETS	2.5	1.5	4	60898	C	32	10	30	1.15	0.59	>100	>100	0.40	28	14	✓		
9	LOFT SHOWER	10	4	5	60898	B	40	10	30	0.92	0.09	>100	>100	0.19	28	14	✓		
10	1st floor SHOWER	10	4	5	60898	B	40	10	30	0.92	0.10	>100	>100	0.2	28	14	✓		
11	SPARE																		
12	SPARE																		

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

Tested by: Name (capital letters) **DAVID MULLEN** Signature *David Mullen*
 Position _____ Date(s) **28/06/14**