IPM6C/ 04662741

ELECTRICAL INSTALLATION CONDITION REPORT

Issued in accordance with *British Standard 7671 – Requirements for Electrical Installations*

Original (To the person ordering the work)

Contractor's Reference Number

CRN/ N/A

A. DETAILS OF THE CLIENT

Client: Ashtead squash and tennis club

Address: 39 Skinners Lane
Ashtead
Surrey
Postcode: KT212NN

B. PURPOSE OF THE REPORT

This report must be used only for reporting on the condition of an existing installation.

Purpose for which this report is required: Scheduled Report

Date(s) on which inspection and testing were carried out: 05/09/2018 -- 21/11/2018

C. DETAILS OF THE INSTALLATION

Occupier: Ashtead squash and tennis club

Address: 39 Skinners Lane
Ashtead
Surrey
Postcode: KT212NN

Estimated age of the electrical installation: years

Description of premises: domestic, commercial, industrial, other (Please state): Commercial

Evidence of alterations or additions: yes

If yes, estimated age: 1 years

Date of previous inspection: 15/03/2013

Electrical Installation Certificate No or previous Periodic Inspection or Condition Report No: 0236752

Records of installation available: no

Records held by:

D. EXTENT OF THE INSTALLATION AND LIMITATIONS ON THE INSPECTION AND TESTING

Extent of the electrical installation covered by this report:

Fixed wiring only

Agreed limitations including the reasons, if any, on the inspection and testing:

Limited access and minimising disruption to working club

Agreed with: S Holmes

Operational limitations including the reasons (see page No.)

The inspection and testing have been carried out in accordance with BS 7671, as amended. Cables concealed within trunking and conduits, or cables and conduits concealed under floors, in inaccessible roof spaces and generally within the fabric of the building or underground, have not been visually inspected unless specifically agreed between the client and inspector prior to the inspection.

E. SUMMARY OF THE CONDITION OF THE INSTALLATION

General condition of the installation (in terms of electrical safety):

Summary of the condition of the installation continued on additional pages? No ✔ Yes Specify page No(s):

Overall assessment of the installation: SATISFACTORY / [redacted] *

(Delete as appropriate)

*** An 'Unsatisfactory' assessment indicates that dangerous (CODE C1) and/or potentially dangerous (CODE C2) conditions have been identified, or that further investigation without delay (FI) is required**

* *The completed report should preferably be reviewed by another skilled person, competent to confirm that the declared overall condition of the electrical installation is consistent with the inspection and test results, and with the observations and recommendations for action (if any) made in the report.*

Please see the 'Notes for Recipients' on the reverse of this page.

NOTES FOR RECIPIENTS

THIS ELECTRICAL INSTALLATION CONDITION REPORT IS AN IMPORTANT AND VALUABLE DOCUMENT WHICH SHOULD BE RETAINED FOR FUTURE REFERENCE

The purpose of periodic inspection is to determine, so far as is reasonably practicable, whether an electrical installation is in a satisfactory condition for continued service (see Section E and G). This report provides an assessment of the condition of the electrical installation identified overleaf at the time it was inspected and tested, taking into account the stated extent of the installation and the limitations of the inspection and testing.

The report identifies any damage, deterioration, defects and/or conditions found by the inspector which may give rise to danger (see Section F), together with any items for which improvement is recommended.

If you were the person ordering this report, but not the user of the installation, you should pass this report, or a full copy of it including these notes, the schedules and additional pages (if any), immediately to the user.

This report should be retained in a safe place and shown to any person inspecting or undertaking further work on the electrical installation in the future. If you later vacate the property, this report will provide the new user with an assessment of the condition of the electrical installation at the time the periodic inspection was carried out.

Where the installation incorporates residual current devices (RCDs), there should be a notice at or near the distribution board stating that they should be tested quarterly. FOR SAFETY REASONS, IT IS IMPORTANT THAT YOU CARRY OUT THE TEST REGULARLY.

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 should be carried out is stated in Section I of this report. There should also be a notice at or near the consumer unit indicating when the next inspection of the installation is due.

This report has been issued in accordance with the national standard for the safety of electrical installations, British Standard 7671 (as amended) – *Requirements for Electrical Installations*.

You should have received the report marked 'Original' and the Contractor should have retained the report marked 'Duplicate'.

The report consists of at least eight numbered pages. Additional numbered pages may have been provided to permit further relevant information relating to the installation to be recorded. For installations having more than one distribution board or more circuits than can be recorded on Pages 7 and 8, one or more additional *Schedules of Circuit Details and Schedules of Test Results* should form part of the report. The report is invalid if any of the pages identified in Section H are missing.

This report form is intended to be issued only for the purpose of reporting on the condition of an existing electrical installation. The report should identify, so far as is reasonably practicable and having regard to the extent and limitations recorded in Section D, any damage, deterioration, defects, dangerous conditions and any non-compliances with the requirements of the national standard for the safety of electrical installations which may give rise to danger, together with any items for which improvement is recommended.

The report should not have been issued to certify that new electrical installation work complies with the requirements of the national safety standard. An 'Electrical Installation Certificate', a 'Domestic Electrical Installation Certificate' or a 'Minor Electrical Installation Works Certificate' (as appropriate) should be issued for the certification of new installation work.

This report should not have been issued for an electrical installation in a potentially explosive atmosphere (hazardous area).

continued on the reverse of page 3

GUIDANCE FOR RECIPIENTS ON THE CLASSIFICATION CODES

Only one Classification code should have been given for each recorded observation.

Classification code C1 ***(Danger present)***

Where an observation has been given a Classification code C1, the safety of those using the installation is at risk and immediate remedial action is required.

The person responsible for the maintenance of the installation is advised to take action without delay to remedy the observed deficiency in the installation, or to take other appropriate action (such as switching off and isolating the affected part(s) of the installation) to remove the danger. The contractor issuing this report will be able to provide further advice.

Classification code C2 ***(Potentially dangerous)***

Classification code C2 indicates that, whilst those using the installation may not be at immediate risk, **urgent remedial action is required to remove potential danger**. The contractor issuing this report will be able to provide further advice.

Classification code C3 ***(Improvement recommended)***

Where an observation has been given a Classification code C3, the inspection and/or testing has revealed a non-compliance with the current safety standard which, whilst not presenting immediate or potential danger, would result in a significant safety improvement if remedied. Careful consideration should be given to the safety benefits of improving these aspects of the installation. The contractor issuing this report will be able to provide further advice.

It is important to note that the recommendation given at Section I of this report (Next Inspection) for the maximum interval until the next inspection is conditional upon all items which have been given a Classification code C1 and code C2 being remedied immediately and as a matter of urgency, respectively.

It would not be reasonable for the inspector to indicate that the installation is in a satisfactory condition if any observation in this report has been given a code C1 or code C2 classification.

Code FI (*Further investigation required without delay*)

It should usually be possible for the inspector to attribute a Classification code to each observation without indicating a need for further investigation.

However, where '**FI**' has been entered against an observation the inspector considers that further investigation of that observation is likely to reveal danger or potential danger that, due to the agreed extent or limitations of the inspection and/or testing, could not be fully identified at the time.

It would not be appropriate for the inspector to indicate that the installation is in a satisfactory condition if there is reasonable doubt as to whether danger or potential danger exists. Consequently, where the inspector has indicated 'Further investigation required without delay' (FI) the overall assessment of the installation (Section E) should be marked as 'Unsatisfactory'.

If the inspector has indicated that an observation requires further investigation without delay, the person ordering this report is advised to arrange for the contractor issuing the report (or another skilled person or persons competent in such work) to undertake further examination of that aspect of the installation as a matter of urgency, to determine whether danger or potential danger exists.

Further information

Further information on the application of Classification codes, primarily aimed at inspectors but of possible interest to persons ordering condition reports, can be found in Electrical Safety First's Best Practice Guide entitled *Electrical installation condition reporting: Classification Codes for domestic and similar electrical installations*. The guide can be viewed or downloaded free of charge from **www.electricalsafetyfirst.org.uk**

NOTES FOR RECIPIENTS
(continued from the reverse of page 1)

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. Some operational limitations may have been encountered during the inspection such as inability to gain access to parts of the installation or to an item of equipment. The inspector should have noted any such limitations in Section D. It should be noted that the greater the limitations applying to a report, the less its value from the safety aspect.

A declaration of the overall condition of the installation should have been given by the inspector in Section G of the report. The declaration must reflect the statement given in Section E, which summarises the observations and recommendations made in Section F. Where one or more observations have been made in Section F, the Classification code given to each by the inspector indicates the degree of urgency with which remedial action needs to be taken to restore the installation to a safe working condition.

Where the inspector has indicated an observation as code C1 (*danger present*) the safety of those using the installation is at risk, and it is recommended that a skilled person competent in electrical installation work undertakes the neccessary remedial work immediately.

Where the inspector has indicated an observation as code C2 (*potentially dangerous*) the safety of those using the installation may be at risk, and it is recommended that a skilled person competent in electrical installation work undertakes the neccessary remedial work as a matter of urgency.

Where the inspector has indicated that an item requires further investigation (FI), the investigation should be carried out without delay to determine whether danger or potential danger exists. For further guidance on the Classification codes, please see the reverse of page 2.

Where the installation can be supplied by more than one source, such as the public supply and a standby generator or microgenerator, the number of sources should have been recorded in Section K *Supply Characteristics and Earthing Arrangements* on page 3 of the report, and the *Schedule of Test Results* compiled accordingly.
Where inadequacies in the electricity distributor's or supplier's equipment have been observed (Section 1 of the inspection schedule), the person ordering the inspection should inform the distributor and/or supplier as appropriate.

Should the person ordering this report have reason to believe that it does not reasonably reflect the condition of the electrical installation reported on, that person should in the first instance raise the specific concerns in writing with the contractor.

ELECTRICAL INSTALLATION CONDITION REPORT

Original (To the person ordering the work)

F. OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

Referring to the attached schedules of inspection and test results, and subject to the limitations at D:

There are **no** items adversely affecting electrical safety ☐ **or** The following observations and recommendations for action are made ✔

Item No	Observations	Code†
1	5.12 No RCD protection	C3
2	5.13 No RCD	C3
3	5.14	C3
4	5.18	C3
5	5.21	C3
6	6.2	C3
7	6.16.1	LIM
8	6.16.2	C3
9	6.17.1	C3
10	6.17.2	C3
11	6.17.3	C3
12	6.17.4	C3
13	6.18	LIM
14	6.19	C3
15	6.20	LIM
16	6.27	LIM

Additional pages? No ✔ Yes ☐ Specify page No(s):

† *One of the following codes, as appropriate, has been allocated to each of the observations made above to indicate to the person(s) responsible for the installation the degree of urgency for remedial action:*

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

Please see the reverse of this page for guidance regarding the Classification codes.

Immediate remedial action required for items:

Urgent remedial action required for items:

Further investigation required without delay for items:

Improvement recommended for items: 1-6, 8-12, 14

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 on page 1 (see C), having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations (see F) and the attached schedules (see H), provides an accurate assessment of the condition of the electrical installation taking into account the stated extent of the installation and the limitations of the inspection and testing (see D).

I/We further declare that in my/our judgement, the overall assessment of the installation in terms of its suitability for continued use is

SATISFACTORY / [redacted]* **(see F) at the time the inspection was carried out, and that it should be further inspected as recommended (see I).**

Delete as appropriate

* **An 'Unsatisfactory' assessment indicates that dangerous (CODE C1) and/or potentially dangerous (CODE C2) conditions have been identified, or that further investigation without delay (FI) is required.**

INSPECTION, TESTING AND ASSESSMENT BY:

Signature: MKJones

Name: (CAPITALS) MARTYN JONES

Position: Director/Principal duty holder

Date: 21/11/2018

REPORT REVIEWED AND CONFIRMED BY:

Signature: MKJones

Name: (CAPITALS) MARTYN JONES

Date: 21/11/2018

* *The completed report should preferably be reviewed by another skilled person, competent to confirm that the declared overall condition of the electrical installation is consistent with the inspection and test results, and with the observations and recommendations for action (if any) made in the report.*

Please see the 'Guidance for Recipients on the Classification codes' on the reverse of this page.

Original (To the person ordering the work)

ELECTRICAL INSTALLATION CONDITION REPORT

H. SCHEDULES AND ADDITIONAL PAGES

Inspection Schedule: Page(s) No 4, 5, 6

Additional pages, including additional source(s) data sheets: Page No(s)

Schedule of Circuit Details for the Installation: Page No(s) 7,9,11,13

Schedule of Test Results for the Installation: Page No(s) 8,10,12,14

The pages identified are an essential part of this report. The report is valid only if accompanied by all the schedules and additional pages identified above.

I. NEXT INSPECTION

I/We recommend that this installation is further inspected and tested after an interval of not more than 5 *(Enter interval in terms of years, months or weeks, as appropriate)*

provided that any items at F which have been attributed a Classification code C1 (danger present) are remedied immediately and that any items which have been attributed a code C2 (potentially dangerous) or FI (further investigation required without delay) are remedied or investigated respectively as a matter of urgency. Items which have been attributed a Classification code C3 should be improved as soon as practicable (see F).

J. DETAILS OF CONTRACTOR

Trading title: MJEI Ltd

Address: 103 Stag Leys
Ashtead

Postcode: KT21 2TL

Telephone number: 01372271913

Email address: Mjoneselectrical@yahoo.co.uk

K. SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System type(s)

TN-S	N/A
TN-C-S	✔
TN-C	N/A
TT	N/A
IT	N/A

Number and type of live conductors

		a.c.	✔	d.c.	
1-phase (2-wire)	N/A	1-phase (3-wire)	N/A	2-pole	
2-phase (3-wire)	N/A			3-pole	
3-phase (3-wire)	N/A	3-phase (4-wire)	✔	other	
Other	Please state				

Nature of supply parameters

Nominal voltage(s): U (1)	400	V	U_o (1)	V
Nominal frequency, f (1)	50	Hz		
Prospective fault current, I_{pf} (2)(3)	1.7	kA		
External earth fault loop impedance, Z_e (3)(4)	0.13	Ω		
Number of sources	1			

Notes:
(1) by enquiry
(2) by enquiry or by measurement
(3) where more than one supply, record the higher or highest values
(4) by measurement

Characteristics of primary supply overcurrent protective device(s)

BS(EN)	88		
Type	gG		
Rated current	100	A	
Short-circuit capacity	33	kA	
Confirmation of supply polarity	✔	(✓)	

L. PARTICULARS OF INSTALLATION AT THE ORIGIN

Means of earthing

Distributor's facility:	✔
Installation earth electrode:	N/A

Details of installation earth electrode (where applicable)

Type: (eg rod(s), tape(s) etc)	N/A	Location:	N/A
Electrode resistance, R_A:	N/A (Ω)	Method of measurement:	N/A

Main Switch/Switch-Fuse/Circuit-Breaker/ RCD

Type: BS(EN)	BS1361	Voltage rating	400	V
No of poles	3	Rated current, I_n	100	A
Primary supply conductors: material	copper	RCD operating current, $I_{\Delta n}$*	N/A	mA
Primary supply conductors: csa	25 mm²	Rated time delay*	N/A	ms
		RCD operating time (at $I_{\Delta n}$) *	N/A	ms

** (applicable only where an RCD is suitable and is used as a main circuit-breaker)*

Earthing and protective bonding conductors

Earthing conductor

Conductor material	copper	
Conductor csa	16	mm²
Connection/ continuity verified	✔	(✓)

Main protective bonding conductors

Conductor material	copper	
Conductor csa	10	mm²
Connection/ continuity verified	✔	(✓)

Bonding of extraneous-conductive-parts (✓)

Water installation pipes	✔	Lightning protection	LIM
Oil installation pipes	N/A	Structural steel	N/A
Gas installation pipes	✔		
Other			

Please see the 'Notes for Recipients' on the reverse of this page.

ELECTRICAL INSTALLATION CONDITION REPORT

Original (To the person ordering the work)

INSPECTION SCHEDULE FOR DISTRIBUTION BOARDS AND CIRCUITS

Item	Description	Outcome*	Location reference
1.0	**Condition/adequacy of distributor's/supply intake equipment†**		
1.1	Service cable	✔	
1.2	Service head	✔	
1.3	Distributor's earthing arrangement(s)	✔	
1.4	Meter tails – Distributor/ Consumer	✔	
1.5	Metering equipment	✔	
1.6	Means of main isolation *(where present)*	✔	
2.0	**Presence of adequate arrangements for parallel or switched alternative sources**		
2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply	N/A	
2.2	Adequate arrangements where a generating set operates in parallel with the public supply	N/A	
3.0	**Automatic disconnection of supply**		
3.1	Main earthing and bonding arrangements		
	• Presence and condition of distributor's earthing arrangement	✔	
	• Presence and condition of earth electrode arrangement	N/A	
	• Adequacy of earthing conductor size	✔	
	• Adequacy of earthing conductor connections	✔	
	• Accessibility of earthing conductor connections	✔	
	• Adequacy of main protective bonding conductor size(s)	✔	
	• Adequacy of main protective bonding conductor connections	✔	
	• Accessibility of main protective bonding connections	✔	
	• Accessibility and condition of other protective bonding connections	✔	
	• Provision of earthing/bonding labels at all appropriate locations	✔	
3.2	FELV		
	• Source providing at least simple separation	N/A	
	• Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises	N/A	
3.3	Reduced low voltage		
	• Adequacy of source	N/A	
	• Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises	N/A	
4.0	**Other methods of protection** (*where the methods of protection listed below are employed, details should be provided on separate sheets*)		
4.1	Double insulation	✔	
4.2	Reinforced insulation	✔	
4.3	Use of obstacles	✔	
4.4	Placing out of reach	✔	
4.5	Non-conducting location	N/A	
4.6	Earth-free local equipotential bonding	N/A	
4.7	Electrical separation for more than one item of equipment	N/A	
5.0	**Distribution equipment**		
5.1	Adequacy of working space/accessibility of equipment	✔	
5.2	Security of fixing	✔	
5.3	Condition of insulation of live parts	✔	
5.4	Adequacy/security of barriers	✔	
5.5	Condition of enclosure(s) in terms of IP rating	✔	
5.6	Condition of enclosure(s) in terms of fire rating	✔	
5.7	Enclosure not damaged/deteriorated so as to impair safety	✔	
5.8	Presence of main switch(es), linked where required	✔	
5.9	Operation of main switch(es) (*functional check*)	✔	
5.10	Correct identification of circuit protective devices	✔	
5.11	Adequacy of protective devices for prospective fault current	✔	
5.12	RCD(s) provided for fault protection – includes RCBOs	C3	Boiler room DB2, bungalow CU
5.13	RCD(s) provided for additional protection – includes RCBOs	C3	DB2 boiler room , bungalow CU

* ***All Outcome boxes must be completed.***
'✔' indicates **Acceptable condition**
'LIM' indicates a **Limitation**
'N/A' indicates **Not applicable**

Unacceptable condition state **C1** or **C2**
Improvement recommended state **C3**
Further investigation required without delay state **FI**
(to determine whether danger or potential danger exists)

Outcome
Provide additional comment where appropriate on attached numbered sheets. C1, C2, C3 and FI coded items to be recorded in Section F of the report.

† Where inadequacies in distributor's equipment are encountered, it is recommended that the person ordering the report informs the appropriate authority.

ELECTRICAL INSTALLATION CONDITION REPORT

Original (To the person ordering the work)

INSPECTION SCHEDULE FOR DISTRIBUTION BOARDS AND CIRCUITS

Item	Description	Outcome*	Location reference
5.14	RCD(s) provided for protection against fire – includes RCBOs	C3	DB2 boiler room , bungalow CU
5.15	Manual operation of circuit-breakers and RCDs to prove disconnection	✔	
5.16	Presence of RCD retest notice at or near equipment where required	✔	
5.17	Presence of diagrams, charts or schedules at or near equipment, where required	✔	
5.18	Presence of non-standard (mixed) cable colour warning notice at or near equipment where required	C3	Bungalow CU
5.19	Presence of alternative/additional supply arrangement warning notice(s) at or near equipment where required	✔	
5.20	Presence of replacement next inspection recommendation label	✔	
5.21	Presence of other required labelling (*specify*)	C3	General
5.22	Examination of protective device(s) and base(s); correct type and rating (*no signs of unacceptable thermal damage, arcing or overheating*)	✔	
5.23	Single-pole switching or protective devices in line conductors only	✔	
5.24	Protection against mechanical damage where cables enter equipment	✔	
5.25	Protection against electromagnetic effects where cables enter metallic enclosures	✔	
6.0	**Distribution/final circuits**		
6.1	Identification of conductors	✔	
6.2	Cables correctly supported throughout their length	C3	External
6.3	Condition of insulation of live parts	✔	
6.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking	✔	
6.5	Suitability of containment systems for continued use (*including flexible conduit*)	✔	
6.6	Cables correctly terminated in enclosures (*indicate extent of sampling in Section D of report*)	✔	
6.7	Confirmation of indication that SPD(s) are functional	✔	
6.8	Confirmation that ALL conductor connections, including connections to busbars are correctly located in terminals and are tight and secure	✔	
6.9	Examination of cables for signs of unacceptable thermal and mechanical damage/deterioration	✔	
6.10	Adequacy of cables for current-carrying capacity with regard to the type and nature of installation	✔	
6.11	Adequacy of protective devices; type and rated current for fault protection	✔	
6.12	Presence and adequacy of circuit protective conductors	✔	
6.13	Co-ordination between conductors and overload protective devices	✔	
6.14	Cable installation methods/practices appropriate to the type and nature of installation and external influences	✔	
6.15	Cables where exposed to direct sunlight, of a suitable type	✔	
6.16	Cables installed under floors, above ceilings, in walls / partitions, adequately protected against damage		
	• Installed in prescribed zones (see Section D. Extent and limitations)	LIM	General
	• Incorporating earthed armour or sheath, or installed within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like (see Section D. Extent and limitations)	C3	General
6.17	Provision of additional protection by 30 mA RCD		
	• †For mobile equipment not exceeding a rating of 32 A for use outdoors	C3	General
	• †For all socket-outlets of rating 20 A or less, unless exempt	C3	General
	• †For cables installed in walls / partitions at a depth of less than 50 mm	C3	General
	• †For cables installed in walls / partitions containing metal parts regardless of depth	C3	General
6.18	Provision of fire barriers, sealing arrangements and protection against thermal effects	LIM	General
6.19	Band II cables segregated/separated from Band I cables	C3	General
6.20	Cables segregated/separated from non-electrical services	LIM	General
6.21	Termination of cables at enclosures (*identify numbers and locations of items inspected in Section D*)		
	• Connections under no undue strain	✔	
	• No basic insulation of a conductor visible outside an enclosure	✔	
	• Connections of live conductors adequately enclosed	✔	
	• Adequacy of connection at point of entry to enclosure (*gland, bush or similar*)	✔	
6.22	General condition of wiring systems	✔	
6.23	Temperature rating of cable insulation	✔	
6.24	Condition of accessories including socket-outlets, switches and joint boxes	✔	
6.25	Suitability of accessories for external influences	✔	
6.26	Single-pole switching or protective devices in line conductors only	✔	
6.27	Adequacy of connections, including cpcs, within accessories and to fixed and stationary equipment – identify /record numbers and locations of items inspected	LIM	General

† *Note: Older installations designed prior to BS 7671:2008 may not have been provided with RCDs for additional protection*

* ***All Outcome boxes must be completed.***
'✔' indicates **Acceptable condition**
'LIM' indicates a **Limitation**
'N/A' indicates **Not applicable**

Unacceptable condition state **C1** or **C2**
Improvement recommended state **C3**
Further investigation required without delay state **FI**
(to determine whether danger or potential danger exists)

Outcome
Provide additional comment where appropriate on attached numbered sheets. C1, C2, C3 and FI coded items to be recorded in Section F of the report.

ELECTRICAL INSTALLATION CONDITION REPORT

Original (To the person ordering the work)

INSPECTION SCHEDULE FOR DISTRIBUTION BOARDS AND CIRCUITS

Item	Description	Outcome*	Location reference
7.0	**Isolation and switching**		
7.1	Isolators		
	• Presence and condition of appropriate devices	✔	
	• Acceptable location (state if local or remote)	✔	
	• Capable of being secured in the OFF position	✔	
	• Correct operation verified	✔	
	• Clearly identified by position and/or durable marking(s)	✔	
	• Warning label posted in situations where live parts cannot be isolated by the operation of a single device	N/A	
7.2	Switching off for mechanical maintenance		
	• Presence and condition of appropriate devices	✔	
	• Acceptable location	✔	
	• Capable of being secured in the OFF position	✔	
	• Correct operation verified	✔	
	• Clearly identified by position and/or durable marking(s)	✔	
7.3	Emergency switching/stopping		
	• Presence and condition of appropriate devices	✔	
	• Readily accessible for operation where danger might occur	✔	
	• Correct operation verified	✔	
	• Clearly identified by position and/or durable marking(s)	✔	
7.4	Functional switching		
	• Presence and condition of appropriate devices	✔	
	• Correct operation verified	✔	
8.0	**Current-using equipment (*permanently connected*)**		
8.1	Condition of equipment in terms of IP rating	✔	
8.2	Equipment does not constitute a fire hazard	✔	
8.3	Enclosure not damaged/deteriorated so as to impair safety	✔	
8.4	Suitability for the environment and external influences	✔	
8.5	Security of fixing	✔	
8.6	Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire (*indicate extent of sampling in Section D of report*)	✔	
8.7	Recessed luminaires (e.g. downlighters)		
	• Correct type of lamps fitted	✔	
	• Installed to minimise build-up of heat by use of "fire rated" fittings, insulation displacement box or similar	✔	
	• No signs of overheating to surrounding building fabric	✔	
	• No signs of overheating to conductors/terminations	✔	
9.0	**Location(s) containing a bath or shower**		
9.1	Additional protection by RCD not exceeding 30 mA		
	• For low voltage circuits serving the location	✔	
	• For low voltage circuits passing through Zone 1 and Zone 2 not serving the location	✔	
9.2	Where used as a protective measure, requirements for SELV or PELV are met	✔	
9.3	Shaver sockets comply with BS EN 61558-2-5 or BS 3535	✔	
9.4	Presence of supplementary bonding conductors unless not required by BS 7671: 2008	✔	
9.5	Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from zone 1	✔	
9.6	Suitability of equipment for external influences for installed location in terms of IP rating	✔	
9.7	Suitability of equipment for installation in a particular zone	✔	
9.8	Suitability of current-using equipment for a particular position within the location	✔	
10.0	**Other special installations or locations**		
	List special locations present, if any. List the results of particular inspections applied (a separate page is required for each location).	✔	

* ***All Outcome boxes must be completed.***
'✔' indicates **Acceptable condition**
'LIM' indicates a **Limitation**
'N/A' indicates **Not applicable**

Unacceptable condition state **C1** or **C2**
Improvement recommended state **C3**
Further investigation required without delay state **FI**
(to determine whether danger or potential danger exists)

Outcome
Provide additional comment where appropriate on attached numbered sheets. C1, C2, C3 and FI coded items to be recorded in Section F of the report.

Original (To the person ordering the work)

SCHEDULE OF CIRCUIT DETAILS FOR THE PRIMARY DISTRIBUTION BOARD

TO BE COMPLETED IN EVERY CASE		TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*						
Location of distribution board:	Bungalow kitchen cupboard	Supply to distribution board is from:		No of phases:		Nominal voltage:		V
Distribution board designation:	Distribution Board	Overcurrent protective device for the distribution circuit: Type: BS (EN)		Rating:	A	Associated RCD (if any) : BS (EN)	RCD No of poles:	$I_{\Delta n}$ mA

CIRCUIT DETAILS

Circuit number and line	Circuit designation	Type of wiring (see code below)	Reference method ↟	Number of points served	Circuit conductors: csa Live (mm²)	Circuit conductors: csa cpc (mm²)	Max. disconnection time permitted by BS 7671 (s)	Overcurrent protective devices BS (EN)	Overcurrent protective devices Type	Overcurrent protective devices Rating (A)	Overcurrent protective devices Short-circuit capacity (kA)	RCD Operating current, $I_{\Delta n}$ (mA)	Maximum Z_s permitted by BS 7671 (Ω)
1	Cooker	A	C	1	6	2.5	0.4	3871	2	32	6	N/A	0.97
2	Sockets	A	B		2.5	1.5	0.4	3871	2	32	6	N/A	0.97
3	Lights general	A	C		1.5	1	0.4	3871	2	6	6	N/A	5.20

* *In such cases, details of the distribution (sub-main) circuit(s), together with the test results for the circuit(s), must also be provided on continuation schedules.*

↟ *See Table 4A2 of Appendix 4 of BS 7671*

CODES FOR TYPE OF WIRING								
A	B	C	D	E	F	G	H	O (Other - please state)
Thermoplastic insulated/ sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non-metallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in non-metallic trunking	Thermoplastic /SWA cables	Thermosetting/ SWA cables	Mineral-insulated cables	

See next page for Schedule of Test Results

Original (To the person ordering the work)

SCHEDULE OF TEST RESULTS FOR THE PRIMARY DISTRIBUTION BOARD

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Characteristics at this distribution board

Confirmation of supply polarity

☆ *See note below*

Z_s ☆ Ω

I_{pf} ☆ kA

Operating times of associated RCD (if any): At $I_{\Delta n}$ ms; At $5I_{\Delta n}$ (if applicable) ms

Phase sequence confirmed (where appropriate) (✓)

Test instruments (serial numbers) used:

Earth fault loop impedance	8736014	RCD	
Insulation resistance	8736014	Multi function	8736014
Continuity	8736014	Other	

TEST RESULTS

Circuit number and line	Circuit impedances (Ω)					Insulation resistance *Record lower or lowest value*				Polarity	Maximum measured earth fault loop impedance, Z_s☆	RCD		
	Ring final circuits only (measured end to end)			All circuits (At least one column to be completed)		Line/Line	Line/Neutral	Line/Earth	Neutral/Earth			Operating times		Test button operation (✓)
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	R_2	(MΩ)	(MΩ)	(MΩ)	(MΩ)	(✓)	(Ω)	at $I_{\Delta n}$ (ms)	at $5I_{\Delta n}$ (if applicable) (ms)	
1	N/A	N/A	N/A	0.1		N/A	LIM	LIM	LIM	N/A	0.42			N/A
2	1.2	1.2	1.6	0.7		N/A	LIM	LIM	LIM	N/A	0.85	N/A	N/A	N/A
3	N/A	N/A	N/A	0.72		N/A	LIM	LIM	LIM	N/A	0.87	N/A	N/A	N/A

☆ *Note: Where the installation can be supplied by more than one source, such as a primary source (e.g. public supply) and a secondary source (e.g. standby generator), the higher or highest values must be recorded.*

TESTED BY

Signature: Position:

Name: (CAPITALS) MARTYN JONES Date of testing: 21/11/2018

See previous page for Schedule of Circuit Details

ICMC/IPMC
Delete as appropriate

04662741

Original (To the person ordering the work)

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION - CONTINUATION

Contractor's/Installer's Reference Number

CRN/IRN N/A

TO BE COMPLETED IN EVERY CASE		TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*						
Location of distribution board:	Boiler room	Supply to distribution board is from:		No of phases:		Nominal voltage:		V
Distribution board designation:	Distribution Board	Overcurrent protective device for the distribution circuit:				Associated RCD (if any): BS(EN)		
		Type: BS(EN)		Rating:	A	RCD No of poles:	$I_{\Delta n}$	mA

CIRCUIT DETAILS

Circuit number and line	Circuit designation	Type of wiring (see code below)	Reference method ↑	Number of points served	Circuit conductors: csa		Max. disconnection time permitted by BS 7671 (s)	Overcurrent protective devices				RCD	Maximum Z_s permitted by BS 7671 (Ω)
					Live (mm²)	cpc (mm²)		BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, $I_{\Delta n}$ (mA)	
1	outside sockets	F	C		2.5	2.5	0.4	60898	B	20	6	30	2.18
2	outside sockets	F	C		2.5	2.5	0.4	60898	B	20	6	30	2.18

↑ *See Table 4A2 of Appendix 4 of BS 7671*

CODES FOR TYPE OF WIRING								
A	B	C	D	E	F	G	H	O (Other - please state)
Thermoplastic insulated/ sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non-metallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in non-metallic trunking	Thermoplastic /SWA cables	Thermosetting/ SWA cables	Mineral-insulated cables	

* *In such cases, details of the distribution (sub-main) circuit(s), together with the test results for the circuit(s), must also be provided on continuation schedules.*

See next page for Schedule of Test Results

ICMC/IPMC
Delete as appropriate

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Original (To the person ordering the work)

Contractor's/Installer's Reference Number

CRN/IRN N/A

SCHEDULE OF TEST RESULTS FOR THE INSTALLATION - CONTINUATION

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Characteristics at this distribution board

Confirmation of supply polarity

☆ *See note below*

Z_s ☆ Ω

I_{pf} ☆ kA

Operating times of associated RCD (if any): At $I_{\Delta n}$ ms; At $5I_{\Delta n}$ (if applicable) ms

Phase sequence confirmed (where appropriate) (✓)

Test instruments (serial numbers) used:

Earth fault loop impedance	8736014	RCD	8736014
Insulation resistance	8736014	Multi-function	8736014
Continuity	8736014	Other	

TEST RESULTS

Circuit number and line	Circuit impedances (Ω)					Insulation resistance † *Record lower or lowest value*				Polarity	Maximum measured earth fault loop impedance, Z_s☆	RCD		
	Ring final circuits only (measured end to end)			All circuits (At least one column to be completed)		Line/Line †	Line/Neutral †	Line/Earth †	Neutral/Earth			operating times		Test button operation
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	R_2	(MΩ)	(MΩ)	(MΩ)	(MΩ)	(✓)	(Ω)	at $I_{\Delta n}$ (ms)	at $5I_{\Delta n}$ (if applicable) (ms)	(✓)
1				0.5		N/A	LIM	LIM	LIM	✔	0.64	30.1	18.4	✔
2	N/A	N/A	N/A	0.52		N/A	LIM	LIM	LIM	✔	0.66			✔

☆ *Note: Where the installation can be supplied by more than one source, such as a primary source (e.g. public supply) and a secondary source (e.g. standby generator), the higher or highest values must be recorded.*

TESTED BY

Signature: Position:

Name: (CAPITALS) MARTYN JONES Date of testing: 21/11/2018

See previous page for Circuit Details

ICMC/IPMC
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Original (To the person ordering the work)

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION - CONTINUATION

Contractor's/Installer's Reference Number

CRN/IRN N/A

TO BE COMPLETED IN EVERY CASE		TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION*						
Location of distribution board:	Boiler room	Supply to distribution board is from:		No of phases:		Nominal voltage:		V
		Overcurrent protective device for the distribution circuit:				Associated RCD (if any): BS(EN)		
Distribution board designation:	Distribution Board	Type: BS(EN)		Rating:	A	RCD No of poles:	$I_{\Delta n}$	mA

CIRCUIT DETAILS

Circuit number and line	Circuit designation	Type of wiring (see code below)	Reference method ↑	Number of points served	Circuit conductors: csa		Max. disconnection time permitted by BS 7671 (s)	Overcurrent protective devices				RCD	Maximum Z_s permitted by BS 7671 (Ω)
					Live (mm²)	cpc (mm²)		BS (EN)	Type	Rating (A)	Short-circuit capacity (kA)	Operating current, $I_{\Delta n}$ (mA)	
1	SPARE												
2	SPARE												
3	SPARE												
4	socket below and gents hand drier	A	B	2	2.5	1.5	0.4	3871	2	20	6	N/A	1.56
5	HW secondary pump	B	B	1	2.5	1.5	0.4	3871	2	10	6	N/A	3.12
6	timeclocks	B	B	2	1.5	1.5	0.4	3871	2	5	6	N/A	6.24
7	supply fan	B	B	1	1.5	1.5	0.4	3871	2	15	6	N/A	2.08
8	gents extract fan	B	B	1	1.5	1.5	0.4	3871	2	15	6	N/A	2.08
9	HW pump	B	B	1	1.5	1.5	0.4	3871	2	10	6	N/A	3.12
10	Heating pump	B	B	1	1.5	1.5	0.4	3871	2	10	6	N/A	3.12
11	Boiler	B	B	1	1.5	1.5	0.4	3871	2	10	6	N/A	3.12
12	Lights general	B	B	1	1.5	1.5	0.4	3871	2	10	6	N/A	3.12

↑ *See Table 4A2 of Appendix 4 of BS 7671*

CODES FOR TYPE OF WIRING								
A	B	C	D	E	F	G	H	O (Other - please state)
Thermoplastic insulated/ sheathed cables	Thermoplastic cables in metallic conduit	Thermoplastic cables in non-metallic conduit	Thermoplastic cables in metallic trunking	Thermoplastic cables in non-metallic trunking	Thermoplastic /SWA cables	Thermosetting/ SWA cables	Mineral-insulated cables	

* *In such cases, details of the distribution (sub-main) circuit(s), together with the test results for the circuit(s), must also be provided on continuation schedules.*

See next page for Schedule of Test Results

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Delete as appropriate

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Original (To the person ordering the work)

SCHEDULE OF TEST RESULTS FOR THE INSTALLATION - CONTINUATION

Contractor's/Installer's Reference Number

CRN/IRN N/A

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Characteristics at this distribution board

Confirmation of supply polarity

☆ *See note below*

Z_s ☆ Ω

I_{pf} ☆ kA

Operating times of associated RCD (if any): At $I_{\Delta n}$ ms; At $5I_{\Delta n}$ (if applicable) ms

Phase sequence confirmed (where appropriate) (✓)

Test instruments (serial numbers) used:

Earth fault loop impedance	8736014	RCD	
Insulation resistance	8736014	Multi-function	8736014
Continuity	8736014	Other	

TEST RESULTS

Circuit number and line	Circuit impedances (Ω)					Insulation resistance † *Record lower or lowest value*				Polarity	Maximum measured earth fault loop impedance, Z_s☆	RCD		
	Ring final circuits only (measured end to end)			All circuits (At least one column to be completed)		Line/Line †	Line/Neutral †	Line/Earth †	Neutral/Earth			operating times		Test button operation
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	R_2	(MΩ)	(MΩ)	(MΩ)	(MΩ)	(✓)	(Ω)	at $I_{\Delta n}$ (ms)	at $5I_{\Delta n}$ (if applicable) (ms)	(✓)
1														
2														
3														
4				0.86		N/A	LIM	LIM	LIM	N/A	1.0	N/A	N/A	N/A
5	N/A	N/A	N/A	0.03		N/A	LIM	LIM	LIM	N/A	0.16	N/A	N/A	N/A
6				0.03			LIM	LIM	LIM	N/A	0.17			N/A
7				0.02						N/A	0.16			N/A
8										N/A				N/A
9				0.1		N/A	LIM	LIM	LIM	N/A	0.24			N/A
10														
11				0.1		N/A	LIM	LIM	LIM	N/A	0.24			N/A
12				0.3						N/A	0.41			N/A

☆ *Note: Where the installation can be supplied by more than one source, such as a primary source (e.g. public supply) and a secondary source (e.g. standby generator), the higher or highest values must be recorded.*

TESTED BY

Signature: Position:

Name: (CAPITALS) MARTYN JONES Date of testing: 21/11/2018

See previous page for Circuit Details