

PERIODIC INSPECTION REPORT

[BS 7671:2008 as amended]

15711 - Master



Details of the Client

Client Bristol City Council.

Address 100 Temple Street
Bristol

BS1 6NL

Purpose of this report: Periodic Test

Details of the Installation

Occupier Occupier

Description of premises

Domestic

Commercial

Industrial

N/A

✓

N/A

Address Former Jacob Wells Road Swimming Baths
Jacob Wells Road
Bristol

Other

N/A

BS8 1DX

Estimated age of the electrical installation

30+

yrs

Evidence of alterations or additions

✓

If yes estimated age

10+

yrs

Date of previous inspection

Not Known

Electrical Installation Certificate No or
Previous periodic Inspection Report No

N/A

Records of installation available

N/A

Records held by

N/A

Extent and Limitation of the Inspection

Extent of electrical installation covered by this report

Whole Building

Agreed limitation of the inspection and testing

Unable to complete full insulation resistance test due to the poor wiring of DB's.
Unable to obtain all earth loop readings due to access.
Unable to locate several circuits.

This inspection has been carried out in accordance with BS7671:2008(IEE Wiring Regulations), as amended. Cables concealed within trunking and conduits, or cables and conduits concealed under floors, in roof space and generally within the fabric of the building or underground have not been inspected.

Declaration

I being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my signature(s) 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 observations overleaf and the attached schedules, provide 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.

INSPECTION, TESTING AND ASSESSMENT BY:

REPORT REVIEWED AND CONFIRMED BY:

Signature

Signature

Name

R Donlan

Name

Tim Dowling

Position

Electrician

(Registered Qualified Supervisor for the Approved Contractor)

Date

01/02/2017

Date

01/02/2017

Observations and Recommendations for Actions to be taken

Referring to the attached schedule(s) of Inspection and Test Results, and subject to the limitations specified at the Extent and Limitation section.

No Remedial work is required

N/A

The following observations are made

Item No		Code
1	DB2 needs upgrading, exposed conductive parts	2
2	DB2 circuit 1 socket cracked right hand side	2
3	DB2 circuit 6 high earth loop reading	1
4	DB2 poor IR readings	2
5	DB3 needs upgrading	2
6	DB3 cables clipped direct with no RCD protection	2
7	DB3 circuit 7 no RCD protection on sockets	3
8	DB3 circuit 2 no earth on lighting circuit	1
9	DB3 circuit 7 no continuity on CPC ring	2
10	DB3 DB poorly wired, conductors not identified, unable to IR test	2
11	DB4 needs upgrading, full of grease due to kitchen location	2
12	DB4 circuit 2 not in containment/poorly clipped	2
13	DB4 circuit 3 no earth or lighting circuit	1
14	DB5 needs upgrading	2
15	DB5 broken emergency light in hall	1
16	DB5 circuit 3 exposed damp cables in boiler house (boiler house closed to unauthorised personnel)	1
17	DB5 circuits 3,5,6 and 8 failed IR test	1
18	DB6 circuit 1 high earth loop reading and earth continuity	1
19	Various lights faulty throughout building	2
20	DB 1_2/TP_ Supply to 3 Phase Socket_ Excessive Earth Loop Impedance	1
21	DB 2_6/TP_ Lights Studio Right Hand Side and External_ Excessive Earth Loop Impedance	1
	--Recommendations and Observations continue on continuation sheets(s)--	

Where observations are made the inspector will have entered one of the following codes against each observation to indicate the action (if any) recommended :

- 1. 'requires urgent attention'
- 3. 'requires further investigation'

- 2. 'requires improvement'
- 4. 'does not comply with BS 7671:2008 (as amended)'
This does not imply that the electrical Installation is unsafe.

Urgent Remedial work recommended for Items :

Corrective actions(s) recommended for Items :

Summary of the Inspection

General condition of the installation

Installation was found to be in very poor condition.
DB7 and DB4 disconnected.
Recommend urgent rewire of whole installation.

Date(s) of the inspection

Overall assessment of the installation

Schedules and Additional Pages

Schedule of items inspected and schedule of items tested:	Page 4	Additional pages, including additional source(s) data sheets	Pages N/A
Schedule of Circuit Details for the installation	5 - 17 (odd)	Schedule of Test Results for the installation	6 - 18 (even)

Next Inspection

I recommend that this installation is further inspected and tested after an interval of not more than **1 Year** or change of tenancy
 Provided that any observations which have been attributed recommendation code 1 (requires urgent attention) are remedied without delay. Observations attributed recommendation code 2 or 3 should be acted on as soon as is practical.

Details of the Inspection and Test Company

Trading Title	Bristol City Council		
Address	THE GATEHOUSE	Telephone number	01179224517
	SANDY PARK ROAD	Fax number	
	BRISLINGTON	NICEIC Enrolment Number	900102
	Bristol	Branch No.(If Applicable)	
	BS4 3NZ		

Supply Characteristics and Earthing Arrangement

* System Type(s)	* Number and Type of Live Conductors				Nature of Supply Parameters				*Supply protective device characteristics	
TN-S <input checked="" type="checkbox"/>	a.c. <input checked="" type="checkbox"/>		d.c. <input type="checkbox"/>	N/A	Nominal Voltage U	400 V	Uo	230 V	BS(EN)	
TN-C-S <input type="checkbox"/>	1-Phase (2wire) <input type="checkbox"/>	N/A	1-Phase (3 wire) <input type="checkbox"/>	N/A	2 Pole <input type="checkbox"/>	N/A	Nominal frequency f	50 Hz	88-2 Fuse HRC	
TN-C <input type="checkbox"/>	2-Phase (3wire) <input type="checkbox"/>	N/A	3 Pole <input type="checkbox"/>	N/A	Prospective fault current I _{pf}	0.52 kA	Type	gG		
TT <input type="checkbox"/>	3-Phase (3 wire) <input type="checkbox"/>	N/A	3-Phase (4 wire) <input checked="" type="checkbox"/>	Other <input type="checkbox"/>	Other <input type="checkbox"/>	N/A	External loop impedance Ze	0.46 Ω	Nominal current rating	100 A
IT <input type="checkbox"/>	Other <input type="checkbox"/>	N/A			Number of supplies	1	Short circuit capacity		33.5 kA	

Particulars of Installation Referred to in the Certificate

* Means of Earthing Distributor's facility <input checked="" type="checkbox"/> Installation earth electrode <input type="checkbox"/>		Details of Installation Earth Electrode (where applicable) Type (eg rod(s), tape etc) <input type="checkbox"/> N/A Location <input type="checkbox"/> N/A Electrode resistance, R _A <input type="checkbox"/> N/A Ω Method of measurement <input type="checkbox"/> N/A				
* Main Switch or Circuit-Breaker Type BS(EN) <input type="checkbox"/> 60947-3 Voltage rating <input type="checkbox"/> 400 V No of poles <input type="checkbox"/> 4 Current rating <input type="checkbox"/> 100 A Supply Conductors material <input type="checkbox"/> Copper RCD Operating current, I _{Δn} <input type="checkbox"/> N/A mA Supply Conductors csa <input type="checkbox"/> 50 mm ² RCD Operating time at, I _{Δn} <input type="checkbox"/> N/A ms			Maximum Demand (load) <input type="checkbox"/> 100 Amps		Protective measure(s) against electric shock <input type="checkbox"/> ADS	
			Earthing and Protective Bonding Conductors		Bonding of extraneous conductive parts	
			Earthing Conductor material <input type="checkbox"/> Copper csa <input type="checkbox"/> 16 mm ² Continuity check <input checked="" type="checkbox"/>		Main protective bonding conductors material <input type="checkbox"/> Copper csa <input type="checkbox"/> 10 mm ² Continuity check <input checked="" type="checkbox"/>	
			Water <input checked="" type="checkbox"/> Gas <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Steel <input type="checkbox"/> Lightning <input type="checkbox"/> Other <input type="checkbox"/>		N/A N/A N/A N/A	

* Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, a separate sheet must be provided which identifies the relevant information relating to each additional source.

Schedules of Items Inspected

Protective Measure(s) against electric shock		Prevention of mutual detrimental influence	
Basic and fault protection		<input checked="" type="checkbox"/>	Proximity of non-electrical services and other influences
<input type="checkbox"/> N/A	SELV	<input type="checkbox"/> N/A	Segregation of Band I and Band II circuits or Band II insulation used
<input type="checkbox"/> N/A	PELV	<input checked="" type="checkbox"/>	Segregation of safety circuits
<input checked="" type="checkbox"/>	Double or Reinforced insulation	Identification	
Basic Protection		<input checked="" type="checkbox"/>	Presence of diagrams, instructions, circuit charts and similar information
<input checked="" type="checkbox"/>	Insulation of live parts	<input checked="" type="checkbox"/>	Presence of danger notices and other warning notices
<input checked="" type="checkbox"/>	Barriers or enclosures	<input checked="" type="checkbox"/>	Labelling of protective devices, switches and terminals
<input type="checkbox"/> N/A	Obstacles**	<input checked="" type="checkbox"/>	Identification of conductors
<input type="checkbox"/> N/A	Placing out of reach**	Cables and conductors	
Fault protection		<input checked="" type="checkbox"/>	Selection of conductors for current-carrying capacity and voltage drop
Automatic disconnection of supply		<input checked="" type="checkbox"/>	Erection methods
<input checked="" type="checkbox"/>	Presence of earthing conductor	<input checked="" type="checkbox"/>	Routing of cables in prescribed zones
<input checked="" type="checkbox"/>	Presence of circuit protective conductors	<input checked="" type="checkbox"/>	Cables incorporating earthed armour or sheath, or run in an earthed wiring system, or otherwise protected against nails, screws and the like
<input checked="" type="checkbox"/>	Presence of main protective bonding conductors	<input checked="" type="checkbox"/>	Additional protection provided by 30mA RCD for cables concealed in walls (where required in premises not under the supervision of skilled or instructed person)
<input type="checkbox"/> N/A	Presence of earthing arrangements for combined protective and functional purpose	<input checked="" type="checkbox"/>	Connection of conductors
<input type="checkbox"/> N/A	Presence of adequate arrangements for alternate sources, where applicable	<input checked="" type="checkbox"/>	Presence of fire barriers, suitable seals and protection against thermal effects
<input type="checkbox"/> N/A	FELV	General	
<input checked="" type="checkbox"/>	Choice and setting of protective and monitoring devices (for fault protection and/or overcurrent protection)	<input checked="" type="checkbox"/>	Presence and correct location of appropriate devices for isolation and switching
Non-conducting location **		<input checked="" type="checkbox"/>	Adequacy of access to switchgear and other equipment
<input type="checkbox"/> N/A	Absence of protective conductors	<input checked="" type="checkbox"/>	Particular protective measures for special installations and locations
Earth-free equipotential bonding **		<input checked="" type="checkbox"/>	Connection of single pole devices for protection or switching in line conductors only
<input type="checkbox"/> N/A	Presence of earth-free equipotential bonding	<input checked="" type="checkbox"/>	Correct connection of accessories and equipment
Electrical Separation		<input type="checkbox"/> N/A	Presence of undervoltage protective devices
<input type="checkbox"/> N/A	For one item of current-using equipment	<input checked="" type="checkbox"/>	Selection of equipment and protective measures appropriate to external influences
<input type="checkbox"/> N/A	For more than one item of current-using equipment	<input checked="" type="checkbox"/>	Selection of appropriate functional switching devices
Additional protection		<input checked="" type="checkbox"/>	Basic Protection by barrier or enclosure provided during erection
<input checked="" type="checkbox"/>	Presence of residual current device(s)	<input type="checkbox"/> N/A	Insulation of non-conducting floors and walls
<input checked="" type="checkbox"/>	Presence of supplementary bonding conductors	<input checked="" type="checkbox"/>	Polarity
** For use in controlled supervised/conditions only		<input checked="" type="checkbox"/>	Earth fault loop impedance, Z _s
Schedule of Items Tested		<input checked="" type="checkbox"/>	Verification of phase sequence
†(See note below)		<input checked="" type="checkbox"/>	Operation of residual current devices
<input checked="" type="checkbox"/>	External earth fault loop impedance, Z _e	<input checked="" type="checkbox"/>	Functional testing of assemblies
<input type="checkbox"/> N/A	Installation earth electrode resistance, R _A	<input checked="" type="checkbox"/>	Verification of voltage drop
<input checked="" type="checkbox"/>	Continuity of protective conductors		
<input checked="" type="checkbox"/>	Continuity of ring final circuit conductors		
<input checked="" type="checkbox"/>	Insulation resistance between live conductors		
<input checked="" type="checkbox"/>	Insulation resistance between live conductors and Earth		
<input checked="" type="checkbox"/>	Protection by separation of circuit		

† All boxes must be completed
 to indicate an inspection has been carried out and the result was satisfactory
 to indicate an inspection has been carried out and the result is not satisfactory (applicable for a periodic inspection only)
 LIM to indicate that, exceptionally, a limitation agreed with the person ordering the work prevented the inspection being carried out (applicable for a periodic inspection only)
 N/A to indicate the inspection is not applicable to a particular item

TO BE COMPLETED IN EVERY CASE	ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION	
Location of distribution board: <input type="text" value="Hall"/> Distribution board designation: <input type="text" value="DB 1"/>	Supply to distribution board is from: <input type="text" value="SubMains(Main Board, 1/TP)"/> No of phases: <input type="text" value="3"/> Nominal Voltage: <input type="text" value="400"/> V Overcurrent protective device for the distribution circuit Type BS(EN): <input type="text"/> Rating: <input type="text" value="N/A"/> A	Associated RCD (if any) BS(EN): <input type="text" value="N/A"/> RCD No of poles: <input type="text" value="N/A"/> RCD rating, I Δ n: <input type="text" value="N/A"/> mA

Circuit Details

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max. permitted disconnection time s	Overcurrent protective device				RCD	Max. permitted Zs Ω
					Live mm ²	cpc mm ²		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current I Δ n	
1/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
1/L2	Dimrail No3	D	B	1	6.0	6.0	0.4	61009 RCD/RCBO	C	32	10	30	0.58
1/L3	Sockets Above	D	B	2	6.0	6.0	0.4	61009 RCD/RCBO	C	32	10	30	0.58
2/TP	Supply to 3 Phase Socket	D	B	1	16	16	0.4	60898 MCB	C	63	10	N/A	0.29
3/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
3/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
3/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
4/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
4/L2	Dimrail No4	D	B	1	6.0	6.0	0.4	61009 RCD/RCBO	C	32	10	30	0.58
4/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

Wiring Code

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

TO BE COMPLETED IN EVERY CASE	ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION	
Location of distribution board <div style="border: 1px solid black; padding: 2px; width: 100%;">Dance Studio</div>	Supply to distribution board is from <div style="border: 1px solid black; padding: 2px; width: 100%;">SubMains(Main Board, 2/TP)</div>	Associated RCD (if any) BS(EN) <div style="border: 1px solid black; padding: 2px; width: 100%;">N/A</div>
Distribution board designation <div style="border: 1px solid black; padding: 2px; width: 100%;">DB 2</div>	No of phases <div style="border: 1px solid black; padding: 2px; width: 40px;">3</div>	Nominal Voltage <div style="border: 1px solid black; padding: 2px; width: 40px;">400</div> V
	Overcurrent protective device for the distribution circuit Type BS(EN) <div style="border: 1px solid black; padding: 2px; width: 100%;"> </div>	RCD No of poles <div style="border: 1px solid black; padding: 2px; width: 40px;">N/A</div>
	Rating <div style="border: 1px solid black; padding: 2px; width: 40px;">N/A</div> A	RCD rating, I Δ n <div style="border: 1px solid black; padding: 2px; width: 40px;">N/A</div> mA

Circuit Details

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max. permitted disconnection time s	Overcurrent protective device				RCD	Max. permitted Zs Ω
					Live mm ²	cpc mm ²		BS(EN)	Type No	Rating A	Short circuit capacity kA		
1/TP	Sockets Studio and Office Above	A	A	6	2.5	1.5	0.4	3871 MCB	2	32	6	N/A	0.82
2/TP	Unable to Locate				2.5	1.5	0.4	3871 MCB	2	15	6	N/A	1.75
3/TP	Boiler Spur	A	A	1	2.5	1.5	0.4	3871 MCB	2	15	6	N/A	1.75
4/TP	Lights Corridor and Upstairs	A	A	13	1.5	1.0	0.4	3871 MCB	2	10	6	N/A	2.63
5/TP	Lights Studio Left Hand Side	A	A	4	1.5	1.0	0.4	3871 MCB	2	10	6	N/A	2.63
6/TP	Lights Studio Right Hand Side and External	A	A	9	1.5	1.0	0.4	3871 MCB	2	5	6	N/A	5.26

Wiring Code

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

Board Tests

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION					TEST INSTRUMENTS (SERIAL NUMBERS) USED					
Zs	0.37	Ω	Operating times of associated RCD (if any)	At I Δ _n	N/A	ms	Earth fault loop impedance	4154198	RCD	4154064
I _{pf}	0.65	kA		At 5I Δ _n	N/A	ms	Insulation resistance	4153863	Other	N/A
Confirmation of Supply polarity	<input checked="checked" type="checkbox"/>			(if applicable)			Continuity	4153863	Other	N/A

Circuit Tests

Circuit number and phase	Circuit impedances Ω					Insulation resistance				Polarity	Maximum measured earth fault loop impedance Ω	RCD operating times	
	Ring final circuits only (measured end to end)			All circuits (At least one column to be completed)		Line/ Line	Line/ Neutral	Line/ Earth	Earth/ Neutral			At I Δ _n	At 5I Δ _n
	r ₁ (Line)	r _n (Neutral)	r ₂ (cpc)	R ₁ + R ₂	R ₂	MΩ	MΩ	MΩ	MΩ			ms	ms
1/TP	0.43	0.44	0.65	0.22	N/A	200	200	200	200	✓	0.59	N/A	N/A
2/TP	N/A	N/A	N/A	LIM	N/A	LIM	LIM	LIM	LIM	N/A	LIM	N/A	N/A
3/TP	N/A	N/A	N/A	0.24	N/A	200	200	200	200	✓	0.61	N/A	N/A
4/TP	N/A	N/A	N/A	1.03	N/A	200	200	200	200	✓	1.40	N/A	N/A
5/TP	N/A	N/A	N/A	0.30	N/A	200	200	200	200	✓	0.67	N/A	N/A
6/TP	N/A	N/A	N/A	FAIL	N/A	200	200	200	200	✓	6.33	N/A	N/A

Tested By

Signature		Position	Electrician
Name	R Donlan	Date of testing	01/02/2017

Board Details	
TO BE COMPLETED IN EVERY CASE	ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
Location of distribution board Corridor by Front Office	Supply to distribution board is from SubMains(Main Board, 3/TP)
Distribution board designation DB 3	Overcurrent protective device for the distribution circuit Type BS(EN) [] Rating N/A A
	Associated RCD (if any) BS(EN) N/A [] RCD No of poles N/A [] RCD rating, I Δ n N/A [] mA
	No of phases 3 [] Nominal Voltage 400 [] V

Circuit Details

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max. permitted disconnection time s	Overcurrent protective device				RCD	Max. permitted Zs Ω
					Live mm ²	cpc mm ²		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current I Δ n	
1/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
2/TP	Lights WC	A	A	15	1.5	1.0	0.4	60898 MCB	B	6	3	N/A	6.14
3/TP	Lights Wall	A	A	5	1.5	1.0	0.4	60898 MCB	B	3	3	N/A	12.26
4/TP	Lights Corridor and Frost Office	A	A	10	1.5	1.0	0.4	60898 MCB	B	6	3	N/A	6.14
5/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
6/TP	Fire Alarm and Door Entry	H	A	2	1.5	5.4	0.4	60898 MCB	B	6	3	N/A	6.14
7/TP	Socket Office	A	A	1	2.5	1.5	0.4	60898 MCB	B	6	3	N/A	6.14
8/TP	Store Room by Kitchen	A	A	1	2.5	1.5	0.4	60898 MCB	B	6	3	N/A	6.14

Wiring Code

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION							TEST INSTRUMENTS (SERIAL NUMBERS) USED				
Zs	0.29	Ω	Operating times of associated RCD (if any)	At I Δ _n	N/A	ms	Earth fault loop impedance	4154198	RCD	4154064	
I _{pf}	0.80	kA		At 5I Δ _n	N/A	ms	Insulation resistance	4153863	Other	N/A	
Confirmation of Supply polarity	<input checked="" type="checkbox"/>							Continuity	4153863	Other	N/A

Circuit Tests

Circuit number and phase	Circuit impedances Ω					Insulation resistance				Polarity	Maximum measured earth fault loop impedance Ω	RCD operating times	
	Ring final circuits only (measured end to end)			All circuits (At least one column to be completed)		Line/ Line	Line/ Neutral	Line/ Earth	Earth/ Neutral			At I Δ _n	At 5I Δ _n
	r ₁ (Line)	r _n (Neutral)	r ₂ (cpc)	R ₁ + R ₂	R ₂								
1/TP	-	-	-	-	-	-	-	-	-	-	-	-	-
2/TP	N/A	N/A	N/A	LIM	N/A	LIM	LIM	LIM	LIM	N/A	LIM	N/A	N/A
3/TP	N/A	N/A	N/A	1.14	N/A	200	200	200	200	✓	1.43	N/A	N/A
4/TP	N/A	N/A	N/A	1.05	N/A	200	200	200	200	✓	1.34	N/A	N/A
5/TP	-	-	-	-	-	-	-	-	-	-	-	-	-
6/TP	N/A	N/A	N/A	0.60	N/A	200	200	200	200	✓	0.89	N/A	N/A
7/TP	0.31	0.31	LIM	0.83	N/A	200	200	200	200	✓	1.12	N/A	N/A
8/TP	N/A	N/A	N/A	0.35	N/A	200	200	200	200	✓	0.64	N/A	N/A

Tested By	
Signature	Position
	Electrician
Name	Date of testing
R Donlan	01/02/2017

Board Details	
<p>TO BE COMPLETED IN EVERY CASE</p>	<p>ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION</p>
<p>Location of distribution board <input style="width: 100%;" type="text" value="Kitchen"/></p> <p>Distribution board designation <input style="width: 100%;" type="text" value="DB 4"/></p>	<p>Supply to distribution board is from <input style="width: 100%;" type="text" value="SubMains(Main Board, 4/TP)"/></p> <p>No of phases <input style="width: 50px;" type="text" value="3"/> Nominal Voltage <input style="width: 50px;" type="text" value="400"/> V</p> <p>Overcurrent protective device for the distribution circuit</p> <p>Type BS(EN) <input style="width: 100%;" type="text"/></p> <p>Rating <input style="width: 50px;" type="text" value="N/A"/> A</p> <p>Associated RCD (if any)</p> <p>BS(EN) <input style="width: 100%;" type="text" value="N/A"/></p> <p>RCD No of poles <input style="width: 50px;" type="text" value="N/A"/></p> <p>RCD rating, IΔn <input style="width: 50px;" type="text" value="N/A"/> mA</p>

Circuit Details													
Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max. permitted disconnection time s	Overcurrent protective device				RCD	Max. permitted Zs Ω
					Live mm ²	cpc mm ²		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current I Δ n	
1/TP	Ring Main This Room	A	B	7	2.5	1.5	0.4	60898 MCB	B	32	3	N/A	1.15
2/TP	Sockets Cafe	A	C	1	4.0	2.5	0.4	60898 MCB	B	16	3	N/A	2.30
3/TP	Lights This Room and Cafe	A	A	12	1.5	1.0	0.4	60898 MCB	B	3	3	N/A	12.26
4/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

Wiring Code								
A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION					TEST INSTRUMENTS (SERIAL NUMBERS) USED					
Zs	0.71	Ω	Operating times of associated RCD (if any)	At I Δ _n	N/A	ms	Earth fault loop impedance	N/A	RCD	N/A
Ipf	0.32	kA		At 5I Δ _n	N/A	ms	Insulation resistance	N/A	Other	N/A
Confirmation of Supply polarity	<input checked="" type="checkbox"/>			(if applicable)			Continuity	N/A	Other	N/A

Circuit Tests

Circuit number and phase	Circuit impedances Ω					Insulation resistance				Polarity	Maximum measured earth fault loop impedance Ω	RCD operating times	
	Ring final circuits only (measured end to end)			All circuits (At least one column to be completed)		Line/ Line	Line/ Neutral	Line/ Earth	Earth/ Neutral			At I Δ _n	At 5I Δ _n
	r ₁ (Line)	r _n (Neutral)	r ₂ (cpc)	R ₁ + R ₂	R ₂	MΩ	MΩ	MΩ	MΩ			ms	ms
1/TP	0.26	0.30	0.31	0.14	N/A	200	200	200	200	✓	0.35	N/A	N/A
2/TP	N/A	N/A	N/A	0.12	N/A	200	200	200	200	✓	0.83	N/A	N/A
3/TP	N/A	N/A	N/A	LIM	N/A	LIM	LIM	LIM	LIM	N/A	LIM	N/A	N/A
4/TP	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature	<input style="width: 300px;" type="text"/>	Position	<input style="width: 300px;" type="text"/>
Name	<input style="width: 300px;" type="text"/>	Date of testing	02/02/2017

TO BE COMPLETED IN EVERY CASE	ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION		
Location of distribution board <input style="width:100%;" type="text" value="Hall Above Door"/> Distribution board designation <input style="width:100%;" type="text" value="DB 5"/>	Supply to distribution board is from <input style="width:100%;" type="text" value="SubMains(Main Board, 5/TP)"/> No of phases <input style="width:50px;" type="text" value="3"/> Overcurrent protective device for the distribution circuit Type BS(EN) <input style="width:150px;" type="text"/>	Associated RCD (if any) BS(EN) <input style="width:100px;" type="text" value="N/A"/> Nominal Voltage <input style="width:50px;" type="text" value="400"/> V RCD No of poles <input style="width:50px;" type="text" value="N/A"/> Rating <input style="width:50px;" type="text" value="N/A"/> A RCD rating, I Δ n <input style="width:50px;" type="text" value="N/A"/> mA	

Circuit Details

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max. permitted disconnection time s	Overcurrent protective device				RCD	Max. permitted Zs Ω
					Live mm ²	cpc mm ²		BS(EN)	Type No	Rating A	Short circuit capacity kA		
1/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
2/TP	Sub Mains(DB 6)	A	B	1	6.0	4.0	5	3871 MCB	2	40	3	N/A	0.66
3/TP	Lights EM, Perimeter and Boiler	A	A	23	1.5	1.5	0.4	60898 MCB	B	6	3	N/A	6.14
4/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
5/TP	Floodlights	H	B	2	4.0	5.4	0.4	60898 MCB	B	16	3	N/A	2.30
6/TP	Floodlights	H	B	2	4.0	5.4	0.4	60898 MCB	B	16	3	N/A	2.30
7/TP	Hand Dryer	A	A	1	2.5	1.5	0.4	60898 MCB	B	16	3	N/A	2.30
8/TP	Unable to Locate				2.5	1.5	0.4	60898 MCB	B	16	3	N/A	2.30
9/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
10/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
11/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
12/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

Wiring Code

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

Board Tests					
ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION					
TEST INSTRUMENTS (SERIAL NUMBERS) USED					
Zs	0.34 Ω	Operating times of associated RCD (if any)	At I Δ _n	N/A ms	Earth fault loop impedance
Ipf	0.67 kA		At 5I Δ _n	N/A ms	4154198 RCD 4154064
Confirmation of Supply polarity	<input checked="" type="checkbox"/>		(if applicable)		Insulation resistance
					4153863 Other N/A
					Continuity
					4153863 Other N/A

Circuit Tests													
Circuit number and phase	Circuit impedances Ω					Insulation resistance				Polarity	Maximum measured earth fault loop impedance Ω	RCD operating times	
	Ring final circuits only (measured end to end)			All circuits (At least one column to be completed)		Line/Line	Line/Neutral	Line/Earth	Earth/Neutral			At I Δ _n	At 5I Δ _n
	r ₁ (Line)	r _n (Neutral)	r ₂ (cpc)	R ₁ + R ₂	R ₂	MΩ	MΩ	MΩ	MΩ			ms	ms
1/TP	-	-	-	-	-	-	-	-	-	-	-	-	-
2/TP	N/A	N/A	N/A	0.84	N/A	200	200	200	200	✓	1.16	N/A	N/A
3/TP	N/A	N/A	N/A	2.54	N/A	200	200	200	200	✓	2.88	N/A	N/A
4/TP	-	-	-	-	-	-	-	-	-	-	-	-	-
5/TP	N/A	N/A	N/A	LIM	N/A	LIM	LIM	LIM	LIM	N/A	LIM	N/A	N/A
6/TP	N/A	N/A	N/A	LIM	N/A	LIM	LIM	LIM	LIM	N/A	LIM	N/A	N/A
7/TP	N/A	N/A	N/A	0.71	N/A	200	200	200	200	✓	1.05	N/A	N/A
8/TP	N/A	N/A	N/A	LIM	N/A	LIM	LIM	LIM	LIM	✓	LIM	N/A	N/A
9/TP	-	-	-	-	-	-	-	-	-	-	-	-	-
10/TP	-	-	-	-	-	-	-	-	-	-	-	-	-
11/TP	-	-	-	-	-	-	-	-	-	-	-	-	-
12/TP	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By			
Signature	<input style="width: 90%;" type="text"/>	Position	Electrician
Name	R Donlan	Date of testing	01/02/2017

Board Details	ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION
<p>TO BE COMPLETED IN EVERY CASE</p> <p>Location of distribution board: <input type="text" value="Hall"/></p> <p>Distribution board designation: <input type="text" value="DB 6"/></p>	<p>Supply to distribution board is from: <input type="text" value="SubMains(DB 5, 2/TP)"/></p> <p>No of phases: <input type="text" value="3"/> Nominal Voltage: <input type="text" value="400"/> V</p> <p>Overcurrent protective device for the distribution circuit</p> <p>Type BS(EN): <input type="text" value="3871 MCB 2"/> Rating: <input type="text" value="40"/> A</p> <p>Associated RCD (if any)</p> <p>BS(EN): <input type="text" value="N/A"/></p> <p>RCD No of poles: <input type="text" value="N/A"/></p> <p>RCD rating, IΔn: <input type="text" value="N/A"/> mA</p>

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max. permitted disconnection time s	Overcurrent protective device				RCD	Max. permitted Zs Ω
					Live mm ²	cpc mm ²		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current I Δ n	
1/TP	Sockets Hall	E	A	4	2.5	1.5	0.4	60898 MCB	B	32	3	N/A	1.15
2/TP	Sockets Hall	A	A	1	2.5	1.5	0.4	60898 MCB	B	30	3	N/A	

Wiring Code								
A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

Observations and Recommendations continued from page 2

Item No	Description	Code
22	DB 5_2/TP_ Sub Mains(DB 6)_ Excessive Earth Loop Impedance	1
23	DB 6_1/TP_ Sockets Hall_ Excessive Earth Loop Impedance	1
24	Main Board_ 4/TP_ Sub Mains(DB 4)_ Excessive Earth Loop Impedance	1
25	Main Board_ 5/TP_ Sub Mains(DB 5)_ Excessive Earth Loop Impedance	1

Code Key

1 - 'requires urgent attention'

2 - 'requires improvement'

3 - 'requires further investigation'

4 - 'does not comply with BS7671:2008 (as amended)'

PERIODIC INSPECTION REPORT GUIDANCE NOTES FOR RECIPIENTS

This Periodic Inspection Report form is intended for reporting on the condition of an existing electrical installation.

You should have received an original Report and the contractor should have retained a duplicate. If you were the person ordering this Report, but not the owner of the installation, you should pass this Report, or a full copy of it, immediately to the owner.

The original Report is to be retained in a safe place and be shown to any person inspecting or undertaking work on the electrical installation in the future. If you later vacate the property, this Report will provide the new owner with details of the condition of the electrical installation at the time the Report.

The report should identify any departures from the safety requirements of the current Regulations and any defects, damage or deterioration that affect the safety of the installation for continued use. **For items classified as 'required urgent attention', the safety of those using the installation may be at risk**, and it is recommended that a competent person undertakes the necessary remedial work without delay.

The Report will usually contain a list of recommended actions necessary to bring the installation up to the current standard. **For items classified as 'required urgent attention', the safety of those using the installation may be at risk**, and it is recommended that a competent person undertakes the necessary remedial work without delay.

For safety reasons, the electrical installation will need to be re-inspected at appropriate intervals by a competent person. The maximum time interval recommended before the next inspection is stated in the Report under 'Next Inspection.'

These notes are based on those seen in Appendix 6 BS 7671:2008 (as amended)