

# ELECTRICAL INSTALLATION CONDITION REPORT

GL000000137 - Master



<b>A. Details of the Client/Person Ordering the Report</b>		<b>B. Reason for Producing this Report</b>							
Client:	Hawkesbury Hospital Hall	Purpose of this report:	Client Instruction						
Address:	The Village Hall High Street Hawkesbury Upton South Gloucester GL9 1AU	Date(s) on which Inspection: and testing was carried out	15/02/2017						
<b>C. Details of the Installation which is the Subject of this Report</b>		Domestic	Commercial	Industrial					
Installation:	Village Hall	Description of premises:	N/A	<input checked="" type="checkbox"/>	N/A				
Occupier:	Occupier	Other:	N/A						
Address:	The Village Hall High Street Hawkesbury Upton South Gloucester GL9 1AU	Estimated age of wiring system:		30	yrs				
Record of Installation available:	<input type="checkbox"/>	Records held By:		Evidence of alterations or additions:	<input checked="" type="checkbox"/>	If yes estimated Age	10	yrs	
				Date of previous inspection:	Not Known				
<b>D. Extent and Limitations Inspection and Testing</b>		Extent of Electrical Installation covered by this report:				Agreed limitations including the reasons (See regulation 634.2)			
		DB1, DB2, DB3 & DB4				No Access to high level luminaires in Hall			
Operational Limitations including the reasons (See page No <input type="text"/> )		Agreed with name				Committee			
None									
This inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS7671:2008 (IET Wiring Regulations) as amended to July 2015									
It should be noted that cables concealed within trunking and conduits, under floors, in roof spaces, and generally within the fabric of the building or underground, have NOT been inspected unless specifically agreed between the client and inspector prior to the inspection. An inspection should be made within an accessible roof space housing other electrical equipment.									
<b>E. Summary of the Condition of the Installation</b>		General condition of the installations (In terms of electrical safety)							
		The installation is serviceable but needs attention with signs of incorrect practices - See supplement report							
Overall assessment of the installation	Satisfactory	*An unsatisfactory assessment indicates that dangerous (code C1) and/or potentially dangerous (code C2) conditions have been identified.							
<b>F. Recommendations</b>									
Where the overall assessment of the suitability of the installation for continued use above is stated as SATISFACTORY, We recommend that any observations classified as 'Danger present' (code C1) or 'Potentially dangerous' (code C2) are acted upon as a matter of urgency. Investigation without delay is recommended for observations identified as 'further investigation required' (code F1). Observation classified as 'Improvement recommended' (code C3) should be given due consideration. Subject to the necessary remedial action being taken We recommend that the installation is further inspected and tested by 15/02/2020									
<b>G. Declaration</b>		We, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by 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 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.							
Trading Title and address	Glenroy Limited, 20 Siston Park, Kingswood, Bristol, South Gloucestershire, BS15 4PE	NICEIC Enrolment Number	028285						
		Branch No. (If Applicable)	001						
<b>Inspected and tested by:</b>									
Name	M A Jones	Position	Test Engineer	Signature		Date	15/02/2017		
<b>Report authorised for issue by:</b>									
Name	P Thompson	Position	Qualifying Supervisor	Signature		Date	15/02/2017		
<b>H. Schedule(s)</b> The attached schedule(s) are part of this document and this report is valid only when they are attached to it.									
4	Schedule(s) of inspection and	4	Schedule(s) of test results are attached						

I. Supply Characteristics and Earthing Arrangements				Nature of Supply Parameters		Supply protective device		
Earthing Arrangements		Number and Type of Live Conductors		Nature of Supply Parameters		Supply protective device		
TN-S	<input type="checkbox"/>	a.c.	<input checked="" type="checkbox"/>	d.c.	<input type="checkbox"/>	Nominal Voltage $U^{(1)}$	400 V	BS(EN)
TN-C-S	<input checked="" type="checkbox"/>	1-Phase (2 wire)	<input type="checkbox"/>	1-Phase (3 wire)	<input type="checkbox"/>	Nominal Voltage $U_0^{(1)}$	230 V	1361 Fuse HBC
TN-C	<input type="checkbox"/>	2-Phase (3 wire)	<input type="checkbox"/>	2 Wire	<input type="checkbox"/>	Nominal frequency $f^{(1)}$	50 Hz	Type
TT	<input type="checkbox"/>	3-Phase (3 wire)	<input type="checkbox"/>	3 Wire	<input type="checkbox"/>	Prospective fault current $I_{pf}^{(2)}$	1.988 kA	2
IT	<input type="checkbox"/>	3-Phase (4 wire)	<input checked="" type="checkbox"/>	Other	<input type="checkbox"/>	External loop impedance $Z_e^{(2)}$	0.25 $\Omega$	Nominal current rating
		Other	<input type="text"/>			Number of supplies	1	100 A
Confirmation of supply polarity				<input checked="" type="checkbox"/>		(Note: (1) by enquiry, (2) by enquiry or by measurement)		Short circuit capacity
								33 kA

J. Particulars of Installation Referred to in the Report			
Means of earthing		Details of installation Earth Electrode (where applicable)	
Distributor's facility	<input checked="" type="checkbox"/>	Type (e.g. rod(s), tape etc.)	<input type="text"/>
Installation earth electrode	<input type="checkbox"/>	Resistance to Earth	<input type="text"/> $\Omega$
		Location	<input type="text"/>
		Method of measurement	<input type="text"/>

Main Protective Conductors		Tick boxes and enter details as applicable	
Earthing Conductor	Material <input type="text" value="Copper"/>	csa <input type="text" value="25"/> mm <sup>2</sup>	Connection and Continuity Verified <input checked="" type="checkbox"/>
Main protective bonding conductors	Material <input type="text" value="Copper"/>	csa <input type="text" value="10"/> mm <sup>2</sup>	Connection and Continuity Verified <input checked="" type="checkbox"/>
Bonding of Incoming Service			Maximum Demand (Load)
Water installation pipes	<input checked="" type="checkbox"/>	Gas installation pipes <input type="text" value="N/A"/>	Structural Steel <input type="text" value="N/A"/>
Oil installation pipes	<input checked="" type="checkbox"/>	Lightning protection	<input type="text" value="N/A"/>
Other incoming service(s) <input type="text" value="N/A"/>			Please State <input type="text"/>
			66 Amps
			Protective measure(s) against electric shock
			ADS <input type="text"/>

Main Switch / Switch-Fuse / Circuit-Breaker / RCD				
Location	<input type="text" value="Main Hall side entrance"/>		Current rating	<input type="text" value="125"/> A
Type BS(EN)	<input type="text" value="60947-3"/>	No of poles	<input type="text" value="3"/>	Fuse/Device rating or setting
Supply Conductors material	<input type="text" value="Copper"/>	Supply Conductors csa	<input type="text" value="25"/> mm <sup>2</sup>	Voltage rating
			<input type="text" value="400"/> V	if RCD main switch
				Rated residual operation current, $I_{\Delta n}$
				<input type="text" value="N/A"/> mA
				Rated time delay
				<input type="text"/>
				RCD Operating time at, $I_{\Delta n}$
				<input type="text"/>

K. Observations		
Referring to the attached schedule(s) of Inspection and Test Results, and subject to the limitations specified at the Extent and Limitations of the Inspection and testing section.		
No remedial action is required.	<input checked="" type="checkbox"/>	The following observations are made <input type="text" value="N/A"/>
Item No	Observations	Code
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
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.		
C1 - Danger present. Risk of injury. Immediate remedial action required	<input type="text" value="0"/>	
C2 - Potentially dangerous - urgent remedial action required	<input type="text" value="0"/>	
C3 - Improvement recommended	<input type="text" value="0"/>	
FI - Further investigation required without delay	<input type="text" value="0"/>	

Note: this form is suitable for many types of smaller installations not exclusively domestic.


Outcomes	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A
Item No	Description										Outcome	Comments		
<b>1.0</b>	<b>DISTRIBUTOR'S / SUPPLY INTAKE EQUIPMENT</b>													
1.1	Condition of service cable										✓	No		
1.2	Condition of Service head										✓	No		
1.3	Condition of distributor's earthing arrangement										✓	No		
1.4	Condition of meter tails - Distributor/Consumer										✓	No		
1.5	Condition of metering equipment										✓	No		
1.6	Condition of Isolator (where present)										✓	No		
<b>2.0</b>	<b>PRESENCE OF ADEQUATE ARRANGEMENTS FOR PARALLEL OR SWITCHED ALTERNATIVE SOURCES</b>										N/A	No		
<b>3.0</b>	<b>EARTHING / BONDING ARRANGEMENTS (411.3; Chap 54)</b>													
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)										N/A	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 other protective bonding connections (543.3.2)										✓	No		
<b>4.0</b>	<b>CONSUMER UNIT (S) / DISTRIBUTION BOARD(S)</b>													
4.1	Adequacy of working space / accessibility to consumer unit / distribution board (132.12; 513.1)										✓	No		
4.2	Security of fixing (134.1.1)										✓	No		
4.3	Condition of enclosure(s) in terms of IP rating etc (416.2)										✓	No		
4.4	Condition of enclosure(s) in terms of fire rating etc (421.1.201; 526.5)										✓	No		
4.5	Enclosure not damaged/deteriorated so as to impair safety (Regulation 621.2 (iii))										✓	No		
4.6	Presence of linked main switch (as required by 537.1.4)										N/A	No		
4.7	Operation of main switch (functional check) (612.13.2)										✓	No		
4.8	Manual operation of circuit-breakers and RCDs to prove disconnection (612.13.2)										✓	No		
4.9	Correct identification of circuit details and protective devices (514.8.1;514.9.1)										✓	No		
4.10	Presence of RCD quarterly test notice at or near consumer unit / distribution board (514.12.2)										✓	No		
4.11	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit / distribution board (514.14)										✓	No		
4.12	Presence of alternative supply warning notice at or near consumer unit / distribution board (514.15)										N/A	No		
4.13	Presence of other required labelling (please specify)(Section 514)										N/A	No		
4.14	Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating)(421.1.3)										✓	No		
4.15	Single-pole switching or protective devices in line conductor only (132.14.1; 530.3.2)										✓	No		
4.16	Protection against mechanical damage where cables enter consumer unit / distribution board (522.8.1; 522.8.11)										✓	No		
4.17	Protection against electromagnetic effects where cables enter consumer unit / distribution board / enclosures (521.5.1) )										N/A	No		
4.18	RCD(s) provided for fault protection – includes RCBOs(411.4.9; 411.5.2; 531.2)										✓	No		
4.19	RCD(s) provided for additional protection - includes RCBOs (411.3.3; 415.1)										✓	No		
4.20	Confirmation of indication that SPD is functional (534.2.8)										N/A	No		
4.21	Confirmation that ALL conductor connections, including connections to busbars are correctly located in terminals and are tight and secure (526.1)										N/A	No		
4.22	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)										N/A	No		
4.23	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)										N/A	No		
<b>5.0</b>	<b>FINAL CIRCUITS</b>													
5.1	Identification of conductors (514.3.1)										✓	No		
5.2	Cables correctly supported throughout their run (522.8.5)										✓	No		
5.3	Condition of insulation of live parts (416.1)										✓	No		

**CONDITION REPORT INSPECTION SCHEDULE FOR DOMESTIC AND SIMILAR PREMISES WITH UP TO 100A SUPPLY CONTINUED**

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Note: this form is suitable for many types of smaller installations not exclusively domestic.

Outcomes	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A
Item No	Description										Outcome	Comments		
<b>5.0</b>	<b>FINAL CIRCUITS (Continued)</b>													
5.4.0	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)										✓	No		
5.4.1	To include the integrity of conduit and trunking systems (metallic and plastic)										N/A	No		
5.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)										✓	No		
5.6	Coordination between conductors and overload protective devices (433.1; 533.2.1)										N/A	No		
5.7	Adequacy of protective devices; type and rated current for fault protection (411.3)										N/A	No		
5.8	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)										N/A	No		
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)										N/A	No		
5.10	Concealed cables installed in prescribed zones (see section D. Extent and limitations) (522.6.202)										N/A	No		
5.11	Cables concealed under floors, above ceilings or in walls / partitions, adequately protected against damage (see Section D. Extent and limitations) (522.6.204)										N/A	No		
5.12.0	Provision of additional protection by RCD not exceeding 30mA													
5.12.1	For all socket-outlets of rating 20 A or less, unless an exception is permitted (411.3.3)										✓	No		
5.12.2	For supply to mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)										✓	No		
5.12.3	For cables concealed in walls at a depth of less than 50mm (522.6.202; 522.6.203)										N/A	No		
5.12.4	For cables concealed in walls / partitions containing metal parts regardless of depth (522.6.203)										✓	No		
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)										N/A	No		
5.14	Band II Cables segregated / separated from Band I cables (528.1)										N/A	No		
5.15	Cables segregated / separated from communications cabling (528.2)										N/A	No		
5.16	Cables segregated / separated from non-electrical services (528.3)										N/A	No		
5.17.0	Termination of cables at enclosures – indicate extent of sampling in Section D of the report (Section 526)													
5.17.1	Connections soundly made and under no undue strain (526.6)										✓	No		
5.17.2	No basic insulation of a conductor visible outside enclosure (526.8)										✓	No		
5.17.3	Connections of live conductors adequately enclosed (526.5)										✓	No		
5.17.4	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 (621.2 (iii))										✓	No		
5.19	Suitability of accessories for external influences (512.2)										N/A	No		
5.20	Adequacy of working space / accessibility to equipment (132.12; 513.1)										N/A	No		
5.21	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.2)										✓	No		
<b>6.0</b>	<b>LOCATION(S) CONTAINING A BATH OR SHOWER</b>													
6.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30mA (701.411.3.3)										✓	No		
6.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)										N/A	No		
6.3	Shaver sockets comply with BS EN 61558-2-5 formally BS 3535 (701.512.3)										N/A	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 volts) socket outlets at least 3m from Zone 1 (701.512.3)										✓	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 accessories and control gear etc. for a particular zone (701.512.3)										✓	No		
6.8	Suitability of current-using equipment for particular position within the location (701.55)										✓	No		
<b>7.0</b>	<b>OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS</b>													
7.1	List all other special installations or locations present, if any. (Record separately the results of particular inspections applied).									Number of locations	0	No		

<b>Inspected By</b>	
Name: M A Jones	Date: 15/02/2017
Signature: 	

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	Side elevation Main Hall	Supply to distribution board is from	Associated RCD (if any)
Distribution board designation	DB 1	No of phases	BS(EN)
		Nominal Voltage	RCD No of Poles
		Overcurrent protective device for the distribution circuit	RCD Rating
		Type BS(EN)	Rating

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times	Overcurrent protective device				RCD	Max permitted Zs Ω	
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	Type No	Rating A	Short circuit capacity kA			Op. current I Δn
1/L1	Stage supply A	O	B	1	16	16	0.4	60898 MCB	C	50	10	N/A	0.44	
1/L2	Stage supply B	O	B	1	16	16	0.4	60898 MCB	C	50	10	N/A	0.44	
1/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	
2/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	
2/L2	Car park lighting	F	D	1	6	2.5	0.4	60898 MCB	B	16	10	N/A	2.73	
2/L3	Sub Mains(DB 2)	A	B	2	16	10	0.4	60898 MCB	C	63	10	N/A	0.35	
3/TP	Sub Mains(DB 3)	F	B	1	10	10	0.4	60898 MCB	C	50	10	N/A	0.44	
4/L1	External sockets front	F	C	2	4	4	0.4	61009 RCD/RCBO	C	16	10	30	1.37	
4/L2	External sockets H/L	F	C	2	4	4	0.4	61009 RCD/RCBO	C	20	10	30	1.09	
4/L3	Sub Mains(DB 4)	F	D	1	16	16	0.4	60898 MCB	C	40	10	N/A	0.55	

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	<input type="text"/>	Ω	Operating times of associated RCD (if any)	At I Δ <sub>n</sub>	<input type="text" value="N/A"/>	ms	Earth fault loop impedance	<input type="text" value="101368647 meggar"/>	RCD	<input type="text" value="101368647 meggar"/>
Ipf	<input type="text"/>	kA		At 5I Δ <sub>n</sub>	<input type="text" value="N/A"/>	ms	Insulation resistance	<input type="text" value="101368647 meggar"/>	Other	<input type="text" value="N/A"/>
Correct supply polarity confirmed	<input checked="" type="checkbox"/>		Phase sequence confirmed (where appropriate)		<input checked="" type="checkbox"/>		Continuity	<input type="text" value="101368647 meggar"/>	Other	<input type="text" value="N/A"/>


**Details of circuits and/or equipment vulnerable to damage**

n/a

**Circuit Tests**

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polarity	Maximum measured earth fault loop impedance Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/Live	Live/Neutral	Live/Earth	Earth/Neutral			At I Δ <sub>n</sub>	At 5I Δ <sub>n</sub>	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )	MΩ	MΩ	MΩ	MΩ			ms	ms		
1/L1	N/A	N/A	N/A	0.06	N/A	N/A	200	200	200	✓	0.33	N/A	N/A	N/A	NO
1/L2	N/A	N/A	N/A	0.09	N/A	N/A	200	200	200	✓	0.34	N/A	N/A	N/A	NO
1/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L2	N/A	N/A	N/A	0.79	N/A	N/A	200	200	200	✓	1.06	N/A	N/A	N/A	NO
2/L3	N/A	N/A	N/A	0.05	N/A	N/A	200	200	200	✓	0.32	N/A	N/A	N/A	NO
3/TP	N/A	N/A	N/A	0.09	N/A	200	200	200	200	✓	0.33	N/A	N/A	N/A	NO
4/L1	N/A	N/A	N/A	0.11	N/A	N/A	200	200	200	✓	0.37	33.2	11.8	✓	NO
4/L2	N/A	N/A	N/A	0.16	N/A	N/A	200	200	200	✓	0.42	38.9	22.8	✓	NO
4/L3	N/A	N/A	N/A	0.35	N/A	N/A	200	200	200	✓	0.62	N/A	N/A	N/A	NO

**Tested By**

Signature		Position	Test Engineer
Name	M A Jones	Date of testing	15/02/2017

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 Main Hall Facing Cupboard	Supply to distribution board is from SubMains(DB 1, 2/L3)
Distribution board designation DB 2	No of phases 1
	Nominal Voltage 230 V
	Overcurrent protective device for the distribution circuit Type BS(EN) 60898 MCB C
	Rating 63 A
	Associated RCD (if any) BS(EN) N/A
	RCD No of Poles N/A
	RCD Rating 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 times	Overcurrent protective device				RCD	Max permitted Zs Ω
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	Type No	Rating A	Short circuit capacity kA		
1/L3	Door entry & bar area sockets	A	C	9	2.5	1	0.4	60898 MCB	B	32	10	30	1.37
2/L3	Hall & stage area sockets	A	C	22	2.5	1	0.4	60898 MCB	B	32	10	30	1.37
3/L3	High level wall sockets Hall	A	C	4	2.5	1	0.4	60898 MCB	B	20	10	30	2.19
4/L3	Fire Alarm supply	A	C	1	2.5	1	0.4	60898 MCB	B	20	10	30	2.19
5/L3	Kitchen lights	A	C	3	1.5	1	0.4	60898 MCB	B	10	10	30	4.37
6/L3	Immersion Heater	A	C	1	2.5	1	0.4	60898 MCB	B	16	10	30	2.73
7/L3	Hall wall spot lights	A	C	8	2.5	1	0.4	60898 MCB	B	6	10	30	7.28
8/L3	Changing room area lights	A	C	7	1.5	1	0.4	60898 MCB	B	6	10	30	7.28
9/L3	Stage/Bar/Alcove lights	A	C	17	1.5	1	0.4	60898 MCB	B	6	10	30	7.28
10/L3	Store light	A	C	1	1	1	0.4	60898 MCB	B	6	10	30	7.28
11/L3	Radial supply	A	C	1	6	2.5	0.4	60898 MCB	B	32	10	30	1.37
12/L3	First floor sockets/ boiler supply	A	C	11	1	1	0.4	60898 MCB	B	32	10	30	1.37
13/L3	Kitchen area sockets	A	C	10	2.5	1	0.4	60898 MCB	B	32	10	30	1.37
14/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
15/L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
16/L3	Main Hall Fluorescent lights	A	C	8	1.5	1	0.4	60898 MCB	B	6	10	30	7.28
17/L3	Common area lights	A	C	2	1.5	1	0.4	60898 MCB	B	6	10	30	7.28
18/L3	Stair/entrance/office lights	A	C	8	1.5	1	0.4	60898 MCB	B	6	10	30	7.28
19/L3	Meeting room/store lights	A	C	5	1.5	1	0.4	60898 MCB	B	6	10	30	7.28
20/L3	Unknown	A	C	1	1.5	1	0.4	60898 MCB	B	6	10	30	7.28
21/L3	External building lighting	A	C	6	1.5	1	0.4	60898 MCB	B	6	10	30	7.28
22/L3	Main hall emergency lights	A	C	4	1.5	1	0.4	60898 MCB	B	10	10	30	4.37

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	0.32 $\Omega$	Operating times of associated RCD (if any)	At I $\Delta_n$	N/A	ms	Earth fault loop impedance	101368647 meggar	RCD	101368647 meggar
lpf	1.543 kA		At 5I $\Delta_n$	N/A	ms	Insulation resistance	101368647 meggar	Other	N/A
Correct supply polarity confirmed	<input checked="" type="checkbox"/>		Phase sequence confirmed (where appropriate)	<input checked="" type="checkbox"/>			Continuity	101368647 meggar	Other

**Details of circuits and/or equipment vulnerable to damage**

n/a

**Circuit Tests**

Circuit number and phase	Circuit Impedances $\Omega$					Insulation resistance				polar i t y	Maximum measured earth fault loop impedance $\Omega$	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/Live	Live/Neutral	Live/Earth	Earth/Neutral			At I $\Delta_n$	At 5I $\Delta_n$	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )	M $\Omega$	M $\Omega$	M $\Omega$	M $\Omega$			ms	ms		
1/L3	0.51	0.52	0.66	0.23	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	0.48	19.3	12.6	<input checked="" type="checkbox"/>	NO
2/L3	0.66	0.66	0.86	0.35	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	0.70	19.3	12.6	<input checked="" type="checkbox"/>	NO
3/L3	N/A	N/A	N/A	0.07	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	0.43	19.3	12.6	<input checked="" type="checkbox"/>	NO
4/L3	N/A	N/A	N/A	0.08	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	0.34	19.3	12.6	<input checked="" type="checkbox"/>	NO
5/L3	N/A	N/A	N/A	0.36	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	0.66	19.3	12.6	<input checked="" type="checkbox"/>	NO
6/L3	N/A	N/A	N/A	0.15	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	0.50	19.3	12.6	<input checked="" type="checkbox"/>	NO
7/L3	N/A	N/A	N/A	0.52	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	0.79	19.3	12.6	<input checked="" type="checkbox"/>	NO
8/L3	N/A	N/A	N/A	0.69	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	0.92	19.3	12.6	<input checked="" type="checkbox"/>	NO
9/L3	N/A	N/A	N/A	1.43	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	1.65	19.3	12.6	<input checked="" type="checkbox"/>	NO
10/L3	N/A	N/A	N/A	0.03	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	0.35	19.3	12.6	<input checked="" type="checkbox"/>	NO
11/L3	N/A	N/A	N/A	0.00	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	LIM	26.1	7.00	<input checked="" type="checkbox"/>	NO
12/L3	0.46	0.46	0.69	0.44	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	0.69	26.1	7.00	<input checked="" type="checkbox"/>	NO
13/L3	0.3	0.3	0.46	0.15	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	0.42	26.1	7.00	<input checked="" type="checkbox"/>	NO
14/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16/L3	N/A	N/A	N/A	0.64	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	0.89	26.1	7.00	<input checked="" type="checkbox"/>	NO
17/L3	N/A	N/A	N/A	0.30	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	0.55	26.1	7.00	<input checked="" type="checkbox"/>	NO
18/L3	N/A	N/A	N/A	0.79	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	1.03	26.1	7.00	<input checked="" type="checkbox"/>	NO
19/L3	N/A	N/A	N/A	0.38	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	0.66	26.1	7.00	<input checked="" type="checkbox"/>	NO
20/L3	N/A	N/A	N/A	0.00	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	LIM	26.1	7.00	<input checked="" type="checkbox"/>	NO
21/L3	N/A	N/A	N/A	0.86	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	1.12	26.1	7.00	<input checked="" type="checkbox"/>	NO
22/L3	N/A	N/A	N/A	0.49	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	0.72	26.1	7.00	<input checked="" type="checkbox"/>	NO

**Tested By**

Signature		Position	Test Engineer
Name	M A Jones	Date of testing	15/02/2017



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 <input style="width: 150px; height: 30px;" type="text" value="Kitchen annexe"/>	Supply to distribution board is from <input style="width: 200px; height: 20px;" type="text" value="SubMains(DB 1, 3/TP)"/>
Distribution board designation <input style="width: 150px; height: 30px;" type="text" value="DB 3"/>	No of phases <input style="width: 30px; height: 20px;" type="text" value="3"/> Nominal Voltage <input style="width: 50px; height: 20px;" type="text" value="400"/> V  Overcurrent protective device for the distribution circuit Type BS(EN) <input style="width: 100px; height: 20px;" type="text" value="60898 MCB C"/> Rating <input style="width: 30px; height: 20px;" type="text" value="50"/> A
Associated RCD (if any)	
BS(EN) <input style="width: 100px; height: 20px;" type="text" value="N/A"/>	
RCD No of Poles <input style="width: 100px; height: 20px;" type="text" value="N/A"/>	
RCD Rating <input style="width: 100px; height: 20px;" type="text" value="N/A"/> mA	

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times	Overcurrent protective device				RCD	Max permitted Zs $\Omega$
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current I $\Delta$ n	
1/L1	Cooker supply	A	B	1	10	4	0.4	60898 MCB	C	50	10	N/A	0.44
1/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
1/L3	Hand dryer supplies	A	B	3	6	2.5	0.4	60898 MCB	B	32	10	N/A	1.37
2/L1	External sockets	A	B	2	2.5	1	0.4	60898 MCB	C	20	10	N/A	1.09
2/L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
2/L3	Kitchen/wc/shower lights	A	B	13	1.5	1	0.4	60898 MCB	C	10	10	N/A	2.19
3/TP	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
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

**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	0.33	Ω	Operating times of associated RCD (if any)	At I Δ <sub>n</sub>	N/A	ms	Earth fault loop impedance	101368647 meggar	RCD	101368647 meggar
Ipf	1.426	kA		At 5I Δ <sub>n</sub>	N/A	ms	Insulation resistance	101368647 meggar	Other	N/A
Correct supply polarity confirmed	<input checked="" type="checkbox"/>		Phase sequence confirmed (where appropriate)		<input checked="" type="checkbox"/>		Continuity	101368647 meggar	Other	N/A


**Details of circuits and/or equipment vulnerable to damage**

N/A

**Circuit Tests**

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polarity	Maximum measured earth fault loop impedance Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/Live	Live/Neutral	Live/Earth	Earth/Neutral			At I Δ <sub>n</sub>	At 5I Δ <sub>n</sub>	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )	MΩ	MΩ	MΩ	MΩ			ms	ms		
1/L1	N/A	N/A	N/A	0.005	N/A	N/A	200	200	200	✓	0.33	N/A	N/A	N/A	NO
1/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1/L3	N/A	N/A	N/A	0.21	N/A	N/A	200	200	200	✓	0.54	N/A	N/A	N/A	NO
2/L1	N/A	N/A	N/A	0.04	N/A	N/A	200	200	200	✓	0.37	N/A	N/A	N/A	NO
2/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/L3	N/A	N/A	N/A	0.53	N/A	N/A	200	200	200	✓	0.89	N/A	N/A	N/A	NO
3/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Tested By**

Signature		Position	Test Engineer
Name	M A Jones	Date of testing	15/02/2017

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 <input type="text" value="Feeder Pillar - Field"/>	Supply to distribution board is from <input type="text" value="SubMains(DB 1, 4/L3)"/>
Distribution board designation <input type="text" value="DB 4"/>	No of phases <input type="text" value="1"/> Nominal Voltage <input type="text" value="230"/> V Overcurrent protective device for the distribution circuit Type BS(EN) <input type="text" value="60898 MCB C"/> Rating <input type="text" value="40"/> A
Associated RCD (if any) BS(EN) <input type="text" value="4293 RCD"/> RCD No of Poles <input type="text" value="N/A"/> RCD Rating <input type="text" value="30"/> mA	

Circuit Details														
Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times	Overcurrent protective device				RCD	Max permitted Zs Ω	
					Live mm <sup>2</sup>	cpc mm <sup>2</sup>		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current I Δ <sub>n</sub>		
1/L3	Socket Cluster 1	O	C	1	2.5	2.5	0.4	60898 MCB	C	16	10	30	1667	
2/L3	Socket Cluster 2	O	C	1	2.5	2.5	0.4	60898 MCB	C	16	10	30	1667	
3/L3	Socket Cluster 3	O	C	1	2.5	2.5	0.4	60898 MCB	C	16	10	30	1667	
4/L3	Socket Cluster 4	O	C	1	2.5	2.5	0.4	60898 MCB	C	16	10	30	1667	

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	<input type="text" value="0.62"/>	$\Omega$	Operating times of associated RCD (if any)	At I $\Delta_n$	<input type="text" value="N/A"/>	ms	Earth fault loop impedance	<input type="text" value="101368647 meggar"/>	RCD	<input type="text" value="101368647 meggar"/>
Ipf	<input type="text" value="0.721"/>	kA		At 5I $\Delta_n$	<input type="text" value="N/A"/>	ms	Insulation resistance	<input type="text" value="101368647 meggar"/>	Other	<input type="text" value="N/A"/>
Correct supply polarity confirmed	<input checked="" type="checkbox"/>		Phase sequence confirmed (where appropriate)		<input checked="" type="checkbox"/>		Continuity	<input type="text" value="101368647 meggar"/>	Other	<input type="text" value="N/A"/>

Details of circuits and/or equipment vulnerable to damage

Circuit Tests

Circuit number and phase	Circuit Impedances $\Omega$					Insulation resistance				polar i r i t y	Maximum measured earth fault loop impedance $\Omega$	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/Live	Live/Neutral	Live/Earth	Earth/Neutral			At I $\Delta_n$	At 5I $\Delta_n$	Test button operation	
	r <sub>1</sub> (Line)	r <sub>n</sub> (Neutral)	r <sub>2</sub> (cpc)	(R <sub>1</sub> + R <sub>2</sub> )	(R <sub>2</sub> )	M $\Omega$	M $\Omega$	M $\Omega$	M $\Omega$			ms	ms		
1/L3	N/A	N/A	N/A	0.03	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	0.69	42.5	22.9	<input checked="" type="checkbox"/>	NO
2/L3	N/A	N/A	N/A	0.02	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	0.68	43.1	22.8	<input checked="" type="checkbox"/>	NO
3/L3	N/A	N/A	N/A	0.02	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	0.68	42.6	22.9	<input checked="" type="checkbox"/>	NO
4/L3	N/A	N/A	N/A	0.03	N/A	N/A	200	200	200	<input checked="" type="checkbox"/>	0.69	42.5	22.8	<input checked="" type="checkbox"/>	NO

Tested By

Signature	<input type="text" value="M A Jones"/>	Position	<input type="text" value="Test Engineer"/>
Name	<input type="text" value="M A Jones"/>	Date of testing	<input type="text" value="15/02/2017"/>

## CONDITION REPORT GUIDANCE NOTES FOR RECIPIENTS

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

1. The purpose of this Condition Report is to confirm, so far as reasonably practicable, whether or not the electrical installation is in a satisfactory condition for continued service (see Section E). The Report should identify any damage, deterioration, defects and/or conditions which may give rise to danger (see Section K).
2. The person ordering the Report should have received the "original" Report and the inspector should have retained a duplicate.
3. The "original" Report should be retained in a safe place and be made available to any person inspecting or undertaking work on the electrical installation in the future. If the property is vacated, this Report will provide the new owner /occupier with details of the condition of the electrical installation at the time the Report was issued.
4. Where the installation incorporates residual current devices (RCD) there should be a notice at or near the device stating that it should be tested quarterly. **For safety reasons it is important that this instruction is followed.**
5. Section D (Extent and Limitations) should identify fully the extent of the installation covered by this Report and any limitations on the inspection and testing. The inspector should have agreed these aspects with the person ordering the Report and with other interested parties (licensing authority, insurance company, mortgage provider and the like) before the inspection was carried out.
6. Some operational limitations such as such as inability to gain access to parts of the installation or an item of equipment may have been encountered during the inspection. The inspector should have noted these in Section D.
7. For items classified in Section K as C1 ("Danger Present"), **the safety of those using the installation is at risk**, and it is recommended that a skilled person competent in electrical installation work undertakes the necessary remedial work immediately.
8. For items classified in Section K as C2 ("Potentially Dangerous"), the safety of those using the installation may be at risk and it is recommended that a competent person undertakes the necessary remedial work as a matter of urgency.
9. Where it has been stated in Section K that an observation requires further investigation (code F1) the inspection has revealed an apparent deficiency which may result in a code C1 or C2, and could not, due to the extent or limitations of the inspection, be fully identified could not, due to the extent or limitations of this inspection, be fully identified. Such observations should be investigated without delay. A further examination of the installation will be necessary, to determine the nature and extent of the apparent deficiency (see Section F).
10. For safety reasons, the electrical installation should be re-inspected at appropriate intervals by a skilled person or persons, competent in such work. The recommended date by which the next inspection is due is stated in Section F of the Report under 'Recommendations' and on a label at or near to the consumer unit / distribution board.