

# ELECTRICAL INSTALLATION CONDITION REPORT

<b>SECTION A. DETAILS OF THE PERSON ORDERING THE REPORT</b>	
Name <span style="background-color: black; color: black;">[REDACTED]</span>	
Address <span style="background-color: black; color: black;">[REDACTED]</span>	
<b>SECTION B. REASON FOR PRODUCING THIS REPORT</b> <i>Elect. Report</i>	
Date(s) on which inspection and testing was carried out <u>24/05/21</u> Next Inspection <u>24/05/26</u>	
<b>SECTION C. DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT</b>	
Occupier .....	
Address <input checked="" type="checkbox"/> As stated above	
Description of premises	
Domestic <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Other (include brief description) <input type="checkbox"/>	
Estimated age of wiring system .....years	
Evidence of additions / alterations Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not apparent <input type="checkbox"/> If yes, estimate age .....years	
Installation records available? (Regulation 651.1) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Date of last inspection ..... (date)	
<b>SECTION D. EXTENT AND LIMITATIONS OF INSPECTION AND TESTING</b>	
Extent of the electrical installation covered by this report	
Please see separate attached sheet detailing extent and limitation	
Agreed limitations including the reasons (see Regulation 653.2) <u>.N/A</u>	
Agreed with: <u>.CLIENT</u>	
Operational limitations including the reasons (see page no.....) <u>.NONE</u>	
The inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS 7671:2018 (IET Wiring Regulations) as amended to <u>2018</u>	
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 <b>not</b> 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>SECTION E. SUMMARY OF THE CONDITION OF THE INSTALLATION</b>	
General condition of the installation (in terms of electrical safety) .....	
Overall assessment of the installation in terms of its suitability for continued use	
<del>SATISFACTORY</del> / UNSATISFACTORY* (Delete as appropriate)	
*An unsatisfactory assessment indicates that dangerous (code C1) and/or potentially dangerous (code C2) conditions have been identified.	
<b>SECTION F. RECOMMENDATIONS</b>	
Where the overall assessment of the suitability of the installation for continued use above is stated as UNSATISFACTORY, I/we recommend that any observations classified as 'Danger present' (code C1) or 'Potentially dangerous' (code C2) are acted upon as a matter of urgency. Investigation without delay is recommended for observations identified as 'Further investigation required' (code FI). Observations classified as 'Improvement recommended' (code C3) should be given due consideration.	
Subject to the necessary remedial action being taken, I / we recommend that the installation is further inspected and tested by <u>24/06/21</u> .....(date)	
<b>SECTION G. DECLARATION</b>	
I/We, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our signatures below), particulars of which are described above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations and the attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and limitations in section D of this report.	
Inspected and tested by:	Report authorised for issue by:
Name (Capitals) <span style="background-color: black; color: black;">[REDACTED]</span>	Name (Capitals) <span style="background-color: black; color: black;">[REDACTED]</span>
Signature <span style="background-color: black; color: black;">[REDACTED]</span>	Signature <span style="background-color: black; color: black;">[REDACTED]</span>
For/on behalf of <span style="background-color: black; color: black;">[REDACTED]</span>	For/on behalf of <u>.MR SURITIES</u>
Position <u>.ELECTRICIAN</u>	Position <u>.ELECTRICIAN</u>
Address <span style="background-color: black; color: black;">[REDACTED]</span>	Address <span style="background-color: black; color: black;">[REDACTED]</span>
Date <u>24/06/21</u>	Date <u>24/05/21</u>
<b>SECTION H. SCHEDULE(S)</b>	
<u>1</u> schedule(s) of inspection and <u>1</u> schedule(s) of test results are attached.	
The attached schedule(s) are part of this document and this report is valid only when they are attached to it.	



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

**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 <i>(Use codes above. Provide additional comment where appropriate. C1, C2, C3 and FI coded items to be recorded in Section K of the Condition Report)</i>											
<b>1.0</b>	<b>EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTION ONLY)</b>													
1.1	Service cable		✓											
1.2	Service head		✓											
1.3	Earthing arrangement		✓											
1.4	Meter tails		✓											
1.5	Metering equipment		✓											
1.6	Isolator (where present)		✓											
<b>2.0</b>	<b>PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES SUCH AS MICROGENERATORS (551.6; 551.7)</b>													
<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)		✓											
3.2	Presence and condition of earth electrode connection where applicable (542.1.2.3)		✓											
3.3	Provision of earthing/bonding labels at all appropriate locations (514.13.1)		✓											
3.4	Confirmation of earthing conductor size (542.3; 543.1.1)		✓											
3.5	Accessibility and condition of earthing conductor at MET (543.3.2)		✓											
3.6	Confirmation of main protective bonding conductor sizes (544.1)		✓											
3.7	Condition and accessibility of main protective bonding conductor connections (543.3.2; 544.1.2)		✓											
3.8	Accessibility and condition of other protective bonding connections (543.3.1; 543.3.2)		✓											
<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)		✓											
4.2	Security of fixing (134.1.1)		✓											
4.3	Condition of enclosure(s) in terms of IP rating etc (416.2)		✓											
4.4	Condition of enclosure(s) in terms of fire rating etc (421.1.201; 526.5)		✓											
4.5	Enclosure not damaged/deteriorated so as to impair safety (651.2)		✓											
4.6	Presence of main linked switch (as required by 462.1.201)		✓											
4.7	Operation of main switch (functional check) (643.10)		✓											
4.8	Manual operation of circuit-breakers and RCDs to prove disconnection (643.10)		✓											
4.9	Correct identification of circuit details and protective devices (514.8.1; 514.9.1)		✓											
4.10	Presence of RCD six-monthly test notice at or near consumer unit/distribution board (514.12.2)		✓ c3											
4.11	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit/distribution board (514.14)		✓											
4.12	Presence of alternative supply warning notice at or near consumer unit/distribution board (514.15)		✓											
4.13	Presence of other required labelling (please specify) (Section 514)		✓											
4.14	Compatibility of protective devices, bases and other components; correct type and rating (No signs of unacceptable thermal damage, arcing or overheating) (411.3.2; 411.4; 411.5; 411.6; Sections 432, 433)		✓											
4.15	Single-pole switching or protective devices in line conductor only (132.14.1; 530.3.3)		✓											
4.16	Protection against mechanical damage where cables enter consumer unit/distribution board (132.14.1; 522.8.1; 522.8.5; 522.8.11)		✓											
4.17	Protection against electromagnetic effects where cables enter consumer unit/distribution board/enclosures (521.5.1)		✓											
4.18	RCD(s) provided for fault protection - includes RCBOs (411.4.204; 411.5.2; 531.2)		✓											
4.19	RCD(s) provided for additional protection/requirements - includes RCBOs (411.3.3; 415.1)		✓ c2											
4.20	Confirmation of indication that SPD is functional (651.4)		✓											
4.21	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)		✓											
4.22	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)		✓											
4.23	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)		✓											

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 (Use codes above. Provide additional comment where appropriate. C1, C2, C3 and FI coded items to be recorded in Section K of the Condition Report)		

5.0	<b>FINAL CIRCUITS</b>											
5.1	Identification of conductors (514.3.1)											✓
5.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)											✓
5.3	Condition of insulation of live parts (416.1)											✓
5.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)											✓
	• To include the integrity of conduit and trunking systems (metallic and plastic)											✓
5.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)											✓
5.6	Coordination between conductors and overload protective devices (433.1; 533.2.1)											✓
5.7	Adequacy of protective devices: type and rated current for fault protection (411.3)											✓
5.8	Presence and adequacy of circuit protective conductors (411.3.1; Section 543)											✓
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)											✓
5.10	Concealed cables installed in prescribed zones (see Section D: <i>Extent and limitations</i> ) (522.6.202)											✓
5.11	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (see Section D: <i>Extent and limitations</i> ) (522.6.204)											✓
5.12	Provision of additional requirements for protection by RCD not exceeding 30 mA:											✓
	• for all socket-outlets of rating 32 A or less, unless an exception is permitted (411.3.3)											✓
	• for the supply of mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)											✓
	• for cables concealed in walls at a depth of less than 50 mm (522.6.202; 522.6.203)											✓
	• for cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203)											✓
	• Final circuits supplying luminaires within domestic (household) premises (411.3.4)											✓
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)											✓
5.14	Band II cables segregated/separated from Band I cables (528.1)											✓
5.15	Cables segregated/separated from communications cabling (528.2)											✓
5.16	Cables segregated/separated from non-electrical services (528.3)											✓
5.17	Termination of cables at enclosures - indicate extent of sampling in Section D of the report (Section 526)											✓
	• Connections soundly made and under no undue strain (526.6)											✓
	• No basic insulation of a conductor visible outside enclosure (526.8)											✓
	• Connections of live conductors adequately enclosed (526.5)											✓
	• Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)											✓
5.18	Condition of accessories including socket-outlets, switches and joint boxes (651.2(v))											✓
5.19	Suitability of accessories for external influences (512.2)											✓
5.20	Adequacy of working space/accessibility to equipment (132.12; 513.1)											✓
5.21	Single-pole switching or protective devices in line conductors only (132.14.1, 530.3.3)											✓

6.0	<b>LOCATION(S) CONTAINING A BATH OR SHOWER</b>											
6.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA (701.411.3.3)											✓
6.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)											✓
6.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)											✓
6.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2018 (701.415.2)											✓
6.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3 m from zone 1 (701.512.3)											✓
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)											✓
6.7	Suitability of accessories and controlgear etc. for a particular zone (701.512.3)											✓
6.8	Suitability of current-using equipment for particular position within the location (701.55)											✓

7.0	<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.)											

Inspected by:

Name (Capital letters) 

Signature 

Date 24/05/21

# GENERIC SCHEDULE OF TEST RESULTS

DB reference no: 1

Location: *Stability*

Z<sub>s</sub> at DB (Ω): 0.18

I<sub>n</sub> at DB (kA): 2.5

Correct supply polarity confirmed

Phase sequence confirmed (where appropriate)

Tested by: *[Signature]*

Name (Capitals): *[Redacted]*

Signature: *[Signature]* Date: 24/05/21

Details of circuits and/or installed equipment vulnerable to damage when testing: *[Blank]*

Details of test instruments used (state serial and/or asset numbers):  
 Continuity: 234080  
 Insulation resistance: 234080  
 Earth fault loop impedance: 234080  
 RCD: 234080  
 Earth electrode resistance: *[Blank]*

Circuit number	Circuit Description	BS (EN) type	rating (A)	breaking capacity (kA)	RCD I <sub>Δn</sub> (mA)	Maximum permitted Z <sub>s</sub> (Ω*)	Reference Method	Live (mm <sup>2</sup> )	cpc (mm <sup>2</sup> )	Ring final circuit continuity (Ω)			Continuity (Ω) (R <sub>1</sub> + R <sub>2</sub> or R <sub>2</sub> )		Insulation Resistance Test Voltage		Insulation Resistance (MΩ)		Polarity	Z <sub>s</sub> (Ω)	RCD	AFDD	Remarks (continue on a separate sheet if necessary)	
										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>	V	Live - Live	Live - Earth							
1	Fridge	61008-1 AC	16	6	30	2.18	100	2.5	1.5	n/a	n/a	n/a	lim	500	200	200	200	200	200	lim	1.937	✓	✓	
2	Bath lights	61008-1 AC	6	6	30	5.82	100	1.5	1	n/a	n/a	n/a	0.48	500	200	200	200	200	200	0.48	1.128	✓	✓	
3	Smoke	61008-1 AC	10	6	30	5.82	100	1.5	1	n/a	n/a	n/a	0.88	500	200	200	200	200	200	0.88	1.916	✓	✓	
4	Rcd	61008 AC	63	6	30																			
5	Cooker	60898 B	32	6		1.10	100	6	2.5	n/a	n/a	n/a	0.38	500	200	200	200	200	200	0.45				
6	Tumble dryer	60898 B	16	6		2.18	100	2.5	1.5	n/a	n/a	n/a	0.18	500	200	200	200	200	200	0.21				
7	Lounge socket	60898 B	16	6		2.18	100	2.5	1.5	n/a	n/a	n/a	0.28	500	200	200	200	200	200	0.28				
8	Immersidn	60898 B	16	6		2.18	100	2.5	1.5	n/a	n/a	n/a	0.22	500	200	200	200	200	200	0.31				
9	Bedroom lights	60898 B	6	6		5.82	100	1.5	1	n/a	n/a	n/a	0.48	500	200	200	200	200	200	0.65				
10	Rcd	61008 AC	63	6	30																			
11	Kitchen Sockets	60898 B	32	6		1.10	100	2.5	1.5	0.21	0.21	0.35	0.28	500	200	200	200	200	200	0.36				
12	Central Heating	60898 B	32	6		1.10	100	2.5	1.5	0.29	0.29	0.48	0.28	500	200	200	200	200	200	0.31				
13	Bedroom sockets	60898 B	16	6		2.18	100	2.5	1.5	n/a	n/a	n/a	0.29	500	200	200	200	200	200	0.64				
14	Washing machine	60898 B	16	6		2.18	100	2.5	1.5	n/a	n/a	n/a	0.18	500	200	200	200	200	200	0.28				
15	Lounge lights	60898 B	6	6		5.82	100	1.5	1	n/a	n/a	n/a	0.64	500	200	200	200	200	200	0.76				

\* Where the maximum permitted earth fault loop impedance value stated in column 8 is taken from a source other than the tabulated values given in Chapter 41 of the Standard, state the source of the data in the appropriate cell for the circuit in the Remarks column (column 25) of the schedule.