

ELECTRICAL INSTALLATION CONDITION REPORT

Certificate number: Registration number: (optional)

SECTION A: DETAILS OF THE CLIENT / PERSON ORDERING THE REPORT

Name Address

SECTION B: REASON FOR PRODUCING THIS REPORT

Date(s) on which inspection and testing was carried out

SECTION C: DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT

Occupier

Address

Description of premises (tick as appropriate)

Domestic Commercial Industrial Other (include brief description)

Estimated age of wiring system years

Evidence of additions / alterations Yes No Not apparent If yes, estimate age years

Installation records available? (Regulation 621.1) Yes No Date of last inspection (date)

SECTION D: EXTENT AND LIMITATIONS OF INSPECTION AND TESTING

Extent of electrical installation covered by this report

Agreed limitations including the reasons (see Regulation 634.2)

Agreed with:

Operational limitations including the reasons (see page no.)

The inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS 7671:2008 (IET Wiring Regulations) as amended to .

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 inspection. An inspection within an accessible roof space housing other electrical equipment.

SECTION E: SUMMARY OF THE CONDITION OF THE INSTALLATION

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

Overall assessment of the installation in terms of its suitability for continued use **SATISFACTORY** / **UNSATISFACTORY** * (delete as appropriate).

* An unsatisfactory assessment indicates that dangerous (code C1) and/or potentially dangerous (code C2) conditions have been identified.

SECTION F: RECOMMENDATIONS

Where the overall assessment of the suitability of the installation for continued use above is stated as UNSATISFACTORY, I/we recommend that any observations classed 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' (code F1). Observations classified as 'Improvements 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 (date).

SECTION G: DECLARATION

I/We being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our signatures below), particulars of which are described above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations and the attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and limitations in Section D of this report.

Inspected and tested by:

Name (CAPITALS):

Signature:

For/on behalf of:

Position:

Address:

..... Date:

Report authorised for issue by:

Name (CAPITALS):

Signature:

For/on behalf of:

Position:

Address:

..... Date:

SECTION H: SCHEDULE(S)

..... schedule(s) of inspection and schedule(s) of test results are attached. The attached schedule(s) are part of this document and this report is valid only when they are attached to it.

ELECTRICAL INSTALLATION CONDITION REPORT

SECTION I: SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earthing arrangements	Number and type of live conductors	Nature and type of supply parameters	Supply protective device
TN-C <input type="checkbox"/>	a.c. <input type="checkbox"/>	d.c. <input type="checkbox"/>	Nominal voltage, U / U _o ⁽¹⁾ V BS (EN) Nominal frequency, f ⁽¹⁾ Hz Type..... Prospective fault current, I _{pf} ⁽²⁾ kA External loop impedance, Ze ⁽²⁾ Ω Rated current..... A <small>Note: (1) by enquiry. (2) by enquiry or measurement</small>
TN-S <input type="checkbox"/>	1-phase, 2 wire <input type="checkbox"/>	2-wire <input type="checkbox"/>	
TN-C-S <input type="checkbox"/>	2-phase, 3 wire <input type="checkbox"/>	3-wire <input type="checkbox"/>	
TT <input type="checkbox"/>	3-phase, 3 wire <input type="checkbox"/>		
IT <input type="checkbox"/>	3-phase, 4 wire <input type="checkbox"/>		
Confirmation of supply polarity <input type="checkbox"/>			

Other sources of supply (as detailed on attached schedule)

SECTION J: PARTICULARS OF INSTALLATION REFERRED TO IN REPORT

Means of earthing	Details of Earth Electrode (where applicable)
Distributor's facility <input type="checkbox"/>	Type.....
Installation earth electrode <input type="checkbox"/>	Location.....
	Resistance to earth..... Ω

Main protective conductors

Earthing conductor	Material	Csa mm ²	Connection/continuity verified <input type="checkbox"/>
Main protective bonding conductors	Material	Csa mm ²	Connection/continuity verified <input type="checkbox"/>
To incoming water service <input type="checkbox"/>	To incoming gas service <input type="checkbox"/>	To incoming oil service <input type="checkbox"/>	To structural steel <input type="checkbox"/>
To lightning protection <input type="checkbox"/>	To other incoming service(s) <input type="checkbox"/>	Specify.....	

Main switch / switch fuse / circuit breaker / RCD

Location	Current rating A	If RCD main switch
.....	Fuse / device rating or setting A	
BS (EN)	Voltage rating V	Rated residual operating current (I _{Δn})..... mA
No. of poles		Rated time delay..... ms
		Measured operating time (at I _{Δn}) ms

SECTION K: OBSERVATIONS

Referring to the attached schedules of inspection and test results, and subject to the limitations specified in the *Extent and Limitations of Inspection and testing section*

No remedial action is required The following observations are made: (See below)

Observation(s)	Classification code	

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

- C1 – Danger present. Risk of injury. Immediate remedial action required
- C2 – Potentially dangerous. Urgent remedial action required
- C3 – Improvement recommended
- F1 - Further Investigation Required

Use additional form if required

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



Requelec

Note: This for is suitable for many types of smaller installation, not exclusively domestic.

Outcomes	Acceptable Condition	OK	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 F1 coded items to be recorded in section K of the Condition Report)					
1.0	DISTRIBUTOR'S/SUPPLY INTAKE EQUIPMENT													
1.1	Condition of service cable													
1.2	Condition of service head													
1.3	Condition of distributor's earthing arrangement													
1.4	Condition of meter tails - Distributors/Consumer													
1.5	Condition of metering equipment													
1.6	Condition of isolator (where present)													
2.0	PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES SUCH AS MICROGENERATORS (551.6; 551.7)													
3.0	EARTHING/BONDING ARRANGEMENTS (411.3; Chap 54)													
3.1	Presence and condition of distributor's earthing arrangement (542.1.2.3)													
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 connections (543.3.2; 544.1.2)													
3.8	Accessibility and condition of other protective bonding connections (543.3.2)													
4.0	CONSUMER UNIT(S)/DISTRIBUTION BOARD(S)													
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 (621.2(iii))													
4.6	Presence of main linked switch (as required by 537.1.4)													
4.7	Operation of main switch (functional check) (612.13.2)													
4.8	Manual operation of circuit-breakers and RCDs to prove disconnection (612.13.2)													
4.9	Correct identification of circuit details and protective devices (514.8.1; 514.9.1)													
4.10	Presence of RCD quarterly test notice at or near consumer unit/distribution board (514.12.2)													
4.11	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit/distribution board (514.14)													
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	Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating) (421.1.3)													
4.15	Single-pole switching or protective devices in line conductor only (132.14.1; 530.3.2)													
4.16	Protection against mechanical damage where cables enter consumer unit/distribution board (522.8.1; 522.8.11)													
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 (411.4.9; 411.5.2; 531.2)													
4.19	RCD(s) provided for additional protection - includes RCBOs (411.3.3; 415.1)													
4.20	Confirmation of indication that SPD is functional (534.2.8)													
4.21	Confirmation that ALL conductor connects, 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	OK	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 F1 coded items to be recorded in section K of the Condition Report)					
5.0	FINAL CIRCUITS													
5.1	Identification of conductors (514.3.1)													
5.2	Cables correctly supported throughout their run (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)													
	O 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 (411.3.1.1; 543.1)													
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 protection by RCD not exceeding 30 mA:													
	O for all socket-outlets of rating 20 A or less, unless an exception is permitted (411.3.3)													
	O for supply to mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)													
	O for cables concealed in walls at a depth of less than 50 mm (522.6.202; 522.6.203)													
	O for cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203)													
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)													
	O Connections soundly made and under no undue strain (526.6)													
	O No basic insulation of a conductor visible outside enclosure (526.8)													
	O Connections of live conductors adequately enclosed (526.5)													
	O 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 (621.2 (iii))													
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, 530.3.2)													
6.0	LOCATION(S) CONTAINING A BATH OR SHOWER													
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 7671:2008 (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	OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS													
7.1	List all other special installations or locations present, if any. (Record separately the results of particular inspections applied).													

Inspected by:

Name: Mark Broerse Signature: _____

Date: _____

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of



MAIN BONDING (MCB)

Main Earth / Bond CSA	16	10	mm ²
Water	<0.05		Ω
Gas	<0.05		Ω

SCHEDULE OF TEST RESULTS

SUPPLY

Type of Supply	TT/TNS/TNCS	Polarity	Y
Zs at DB Ω		Phase Seq	1
Measured Z _s Ω		Breaker Amps	100
PEFC	PSC	PFC	(kA)

CONSUMER UNIT

Current Rating A:	100
Fuse Type BS/EN:	60947-3
Poles:	2
Voltage / Hertz:	240/50

Location of Consumer Unit:										Circuits/Equipment Vulnerable to Test:												
INSTALLED CIRCUITE DETAILS					Circuit Conductor CSA		Overcurrent Protective Device			RCD	Max Z _s Permitted (7671)	TEST RESULTS					Compliance					
Circuit No	Circuit Description	No of Points	Reference Method	CSA Live	CSA CPC	BS EN Number	Type	Rating	Short Circuit Capacity			Operating Current IΔn	Circuit Impedence (Ω)		Insulation Resistance			Circuit Polarity	Max Measured Z _s	RCD Operating Times		Functional
													Ring Circuits Only	All Circuits	Live / Live	Live / Earth				RCD time IΔn	RCD time 5Δn	
				mm ²	mm ²	A	kA	mA	Ω	Ω	Ω	Ω	Ω	MΩ	MΩ	Y/N	Ω	ms	ms	Y/N		
1																					Compliant	
2																						
3		OCG Factr	1.24	0.4s - 5s TNS/CS			Guide Regs		0.81		Old Push/Flip	Type	A	Zs	KA							
4		Cmin	0.95	60898	B	40		0.88	1.09		3871	1	5	8.74	1							
5				60898	B	32		1.10	1.37		3871	1	6	7.28	2							
6				60898	B	30		1.17	1.45		3871	1	20	2.19	2							
7				60898	B	20		1.77	2.19		3871	1	30	1.45	2							
8				60898	B	16		2.20	2.73		3871	1	32	1.36	2							
9				60898	B	6		5.87	7.28													
10																						
11																						
12																						
																	BS1362	3A	17.70 Ω	8 kA		
																	BS1361	5A	9.92 Ω	8 kA		
				608968	B	16		2.20 Ω			608968	20	1.76	Ω			BS1362	6A	15.58 Ω	8 kA		
				608968	B	6		5.87 Ω			608968	32	1.10	Ω			BS1362	13A	2.93 Ω	8 kA		

CONDITION REPORT GUIDANCE FOR RECIPIENTS (to be appended to the Report)

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 M).
- 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 (RCDs) there should be a notice at or near the devices stating that they should be tested regularly. **For safety reasons it is important that these instructions are 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 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 competent person 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, the inspection has revealed an apparent deficiency which could not, due to the extent or limitations of this inspection, be fully identified. Such observations should be investigated as soon as possible. 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 competent person. The recommended date by which the next inspection is due is stated in Section F of the Report under 'Recommendations' and on a label near to the consumer unit / distribution board.

CONDITION REPORT GUIDANCE FOR THE INSPECTOR

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

- 1 Section 1. Where inadequacies in the distributor's equipment are present, the inspector should advise the person ordering the work to inform the appropriate authority.
- 2 Older installations designed prior to BS 7671:2008 are unlikely to have been provided with RCDs for additional protection. The absence of such protection should, as a minimum, be given a code C3 classification (item 5.12).
- 3 This schedule is not exhaustive.
- 4 Numbers in brackets are Regulation references to specified requirements.