ΕΤΗΩS TRIED. TESTED. TRUSTED.

ELECTRICAL INSTALLATION CONDITION REPORTS

Conforms to the Wiring Regulations 17th Edition BS 7671:2008 incorporating amendment 3:2015 ETHOS 7976

FOR COMMERCIAL AND INDUSTRIAL ELECTRICAL INSTALLATIONS

USE ETHOS 7975 FOR DOMESTIC AND SIMILAR PREMISES (WITH UP TO 100A SUPPLY)

EACH REPORT MUST BE ACCOMPANIED BY A SCHEDULE OF INSPECTIONS (INCLUDED WITHIN THIS PAD) AND ONE OR MORE SCHEDULES OF CIRCUIT DETAILS / TEST RESULTS. ETHOS 7972 PROVIDES FOR UP TO 12 WAYS ETHOS 7973 PROVIDES FOR UP TO 36 WAYS



Distributed by MTi

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ELECTRICAL INSTALLATION CONDITION REQUIREMENTS FOR ELECTRICAL INSTALLATIONS - BS 7671 (IET WINIT	
	Page 1 of
(A) CLIENT DETAILS / PERSON ORDERING THE WORK	
Name:	
Address:	
(B) PURPOSE OF THE REPORT	
	ut:
	✓ tick box(es) where applicable
(C) DETAILS OF THE INSTALLATION	
Occupier: Installation address:	
DESCRIPTION OF PREMISES: Domestic Commer	
5 5, , ,	vidence of alterations or additions: Yes No Not apparent
Installa	
Date of last inspection: records	s available: Yes No Records held by:
(D) EXTENT AND LIMITATIONS OF THE INSPECTION AND	D TESTING
Extent of the electrical installation covered by this report	t
Agreed limitations including the reason(s), if any, on the	inspecting and testing:
	Agreed with:
Operational limitations including the reasons (see page N	No(s)
NOTE: Cables concealed in trunking and conduits, under floors, in roof spaces	have been carried out in accordance with B\$ 7671: 2008 (IET Wiring Regulations), as amended to s, and generally within the fabric of the building or underground, have not been inspected unless . An inspection should be made within an accessible roof space housing other electrical equipment.
(E) SUMMARY OF THE CONDITION OF THE INSTALLATIO	
The general condition of the installation (in terms of elec-	trical safety] is:
	this installation. Yes/No See page(s)
The overall assessment of the installation is: SATISF	ACTORY/UNSATISFACTORY (Delete as appropriate)
NOTE: An UNSATISFACTORY assessment indicates that one or more	dangerous (Code C1) and/or potentially dangerous (Code C2) conditions have been identified.
(Code C1) or Potentially dangerous' (Code C2) are a	the installation for continued use (see E) is stated as UNSATGYCOYN, (Whe recommend that any observations classified as: Danger present' acted upon as a matter of urgency. Investigation without delay is recommended for observations recommended as Further investigation required "improvement recommended" (Cadé C3) should be given due consideration.
Subject to the necessary remedial action being taken, I/We* recommend	
(G) DECLARATION	
 having exercised reasonable skill and care when carrying out the inspection and 	ctrical installation (as indicated by my/our [®] signatures below), particulars of which are described above, d testing, hereby declare that the information in this report, including the Observations (See K) and the lectrical installation taking into account the stated Extent and Limitations in section D of this Report.
INSPECTED AND TESTED BY:	REPORT REVIEWED AND CONFIRMED BY:
Name (Capitals):	Name (Capitals):
Signature:	Signature:
For/on behalf of:	
Position:	Position:
Address:	Address:
Date:	Date:
(H) SCHEDULE(S) THE PAGES IDENTIFIED BELOW ARE AN ESSEN IDENTIFIED ACCOMPANY THIS REPORT.	NTIAL PART OF THIS REPORT, SO THE REPORT IS ONLY VALID WHERE ALL OF THE SCHEDULES
Inspections schedule, page nos.:	Schedules of Circuit Details/Test Results, page nos.:
This Report is based on the model in Appendix 6 of BS 7671	*Delete as appropriate Signal International Ltd 6/201

NOTES FOR RECIPIENTS

This Report is an important and valuable document so retain it for future reference.

- The purpose of this Electrical Installation 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). It should not have been issued to confirm a new installation was safe to put in to service.
- 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 a residual current device (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 (e.g. a licensing authority, insurance company, mortgage provider and the like) before the inspection was carried out.
- 6. Some operational limitations such as the inability to gain access to parts of the installation or an item of equipment may have been encountered during the inspection. Where this occurred, 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 skilled person competent in electrical installation work 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 FI) 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. 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.

ELECTRICAL INSTALLATION CONDITION REPORT

REPORT No.

			Page 2 of
(I) SUPPLY CHARACTERISTICS AND	EARTHING ARRANGEMENTS		x(es) where applicable
Number of Live Conductors: 2/3/4*	Type of live conductors: a.c./d.c.*	(1) by enquiry(2) by enquiry or by measurement	ent
Nature of Supply: State number of sources	Nominal voltage $^{(1)}$: U(V) U_{\circ} (V)	Nominal frequency (f) ⁽¹⁾ :	Hz
(to be detailed on attached schedules) Supply polarity confirmed	Prospective fault current (earth fault/short-circuit) ⁽²⁾ :	A External loop impedance (2	ζ,,) ⁽²⁾ :Ω
Supply Protective Device:	BS (EN): Type:	Rated Current/Current Set	ting (I _n) A
System Type(s):			п
(J) PARTICULARS OF INSTALLATION	AT THE ORIGIN	✓ tick bo	x(es) where applicable
Means of Earthing: Distributor's f		Demand (load): kV/	A/Amps per phase
Details of Installation Earth Electroc			
Location: Electrode Resistance to Earth (R ₄):		Type (rod(s), tape etc.): 	
Main Protective Conductors			x(es) where applicable
Earthing Conductor:	Material:csa;		· · · · · · · · · · · · · · · · · · ·
Protective Bonding Conductors	Material: csa:		
(to extraneous-conductive-parts): To: Water Installation Pipes Gas	s Installation Pipes 🔲 Oil installation pipes		
		-	
Main Switch/Switch Fuse/Fuse Swi	tch/Circuit-breaker/RCD		
BS (EN) Type and No. of Poles:	Current Rating:A Fuse/I	Device or setting: A Volta	ge Rating: V
Rated Residual Operating Current (I_{Δ} n)	: mA Operating Time IAN		OTE: Applicable only where ne RCD is suitable and is used
Rated time delay:ms			s a main switch.
(K) OBSERVATIONS		·	
Referring to the attached Schedule(s) of Inspection and Testing section.	nspection and Test Results, and subject to the limit	tations specified at the Extent a	and Limitations of the
No remedial action is	required 🗌 The following	ng observations are made 🗌	
ltem No.	servation(s) - Include schedule reference, as appropriat	e	CLASSIFICATION CODE
	e, has been allocated to each of the observations n	nade above to indicate to the p	erson(s)
responsible for the installation the degree	с, Г	Items that require action	on:
Code C1 - Danger present. Risk of in Code C2 - Potentially dangerous. Urg	jury. Immediate remedial action required.		
Code C2 - Potentially dangerous. Org			
FI - Further investigation required v			

Other than domestic or similar

OUTCOMES Acceptable

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or si	imilar.									Page	of
• 🗸	Unacceptable State C1 condition or C2	Improvement recommended	State C3	Not Verified	N/V	Limitation	ЦΜ	Not applicable	N/A	Further investigation	FI

						requireu	
1. D	STRIBUTOR'S [†] /SUPPLY INTAKE EQUIPMENT dequacy and condition of)	* Outcon	ne	Comment	s and	/or location	
1.1	Service cable						
1.2	Service head						
1.3	Distributor's earthing arrangement(s)						
1.4	Distributor's and consumer's meter tails						
1.5	Metering equipment						
1.6	Means of isolation (where present)						
	Nistributor should be notified of any unsatisfactory equipment ARALLEL OR SWITCHED ALTERNATIVE SOURCES OF SUPPLY	•					
2.1	Adequate arrangements where generator to operate as a switched alternative (551.6)	1					
	 Dedicated earthing arrangement that is independent of the public supply (551.4.3.2.1) 						
2.2	Adequate arrangements where generator to operate in parallel with the public supply system (551.7)						
	i) Correct connection of generator in parallel						,
	ii) Compatibility of characteristics of means of generation						
	iii) Means to provide automatic disconnection of generator in the event of loss of public supply system or voltage or frequency deviation beyond declared values						
	iv) Means to prevent connection of generator in the event of loss of public supply system or voltage or frequency deviation beyond declared values						
	v) Means to isolate generator from the public supply system				,		
2.3	Presence of warning notices for alternative/additional sources of supply at:						
	i) The origin of the installation						
	ii) The meter position, where remote from the origin						
	iii) The consumer unit/distribution board to which the alternative/additional sources of supply are connectednew						
	iv) All points of isolation of all sources of supply						
				-			

3. AUTOMATIC DISCONNECTION OF SUPPLY

3.1	Main earthing/bonding arrangements (411.3; Chap 54)	
	i) Presence and adequacy of distributor's earthing arrangement (542.1.2.1; 542.1.2.2)	
	ii) Presence and adequacy of installation earth electrode arrangement (542.1.2.3)	
	iii) Adequacy of earthing conductor's CSA (542.3; 543.1.1)	
	iv) Adequacy and accessibility of earthing conductor connections (542.3.2)	
	v) Adequacy of main protective bonding conductor's/conductors' CSA (544.1)	
	vi) Adequacy and accessibility of all protective bonding connections (543.3.2)	
	vii) Provision of ea <mark>rthing and bonding labels a</mark> t all appropriate locations (514.13)	
3.2	Functional extra-low voltage (FELV) (411.7)	
	i) source provides at least simple separation	
	 ii) all plugs, socket-outlets and similar are not interchangeable with any other systems within the installation 	
3.3	Reduced low voltage (RLV) 110 V systems (411.8)	
	i) Adequacy of suitable source	
	 ii) All plugs, socket-outlets and similar are not interchangeable with other systems within the premises 	

4. OTHER METHODS OF PROTECTION

(Where any of the methods listed below are employed, details should be provided on a separate sheets)

4.1	Non-conducting location (418.1)	
4.2	Earth-free local equipotential bonding (418.2)	
4.3	Electrical separation for one item of equipment (Section 413)	
4.4	Electrical separation for more than one item of equipment (418.3)	
4.5	Double insulation (Section 412)	

*ALL 'outcome' boxes to be completed.

This Schedule is based on the model form shown in Appendix 6 of BS 7671

Other than domestic or similar.

Report No.

Other than d	omestic or	similar.								Page	e of
outcomes	Acceptable condition	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Not Verified N/V	Limitation	LIM	Not applicable	A Further investigation required	FI

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		Outcome	Comments and/or location
4.6	Reinforced insulation (Section 412)		
4.7	Use of obstacles and/or Placing out of reach (417.2; 417.3)		

5. DISTRIBUTION EQUIPMENT

5. D	ISTRIBUTION EQUIPMENT	
5.1	Adequacy of working space/accessibility to equipment (132.12; 513.1)	
5.2	Securely fixed (134.1.1)	
5.3	Condition of insulation of live parts (416.1)	
5.4	Adequacy/security of barriers (416.2)	
5.5	Condition of enclosure(s) in terms of IP rating etc (416.2)	
5.6	Condition of enclosure(s) in terms of fire rating etc (421.1.6; 421.1.201; 526.5)	
5.7	Presence and effectiveness of obstacles/placing out of reach (417.2; 417.3)	
5.8	Enclosure(s) not damaged/deteriorated so as to impair safety (621.2 (iii))	
5.9	Presence of main switch(es), linked where required (537.1.2; 537.1.4)	
5.10	Operation of main switch(es), to prove disconnection (functional check) (612.13.2)	
5.11	Presence and correct identification of circuit protective devices (514.8.1)	
5.12	Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating) (411.3.2; 411.4; .5; .6; Sections 432, 433)	
5.13	Adequacy of protective devices for prospective fault current (411.3)	
5.14	RCD(s) provided for fault protection – includes RCBOs (411.4.9; 411.5.2; 531.2)	
5.15	RCD(s) provided for additional protection – includes RCBOs (411.3.3; 415.1)	
5.16	RCD(s) provided for protection against fire – includes RCBOs (422.3.9; 532.1)	
5.17	Manual operation of circuit-breakers and RCDs to prove disconnection (functional check) (612.13.2)	
5.18	Confirmation that the integral test button/switch causes RCD(s) to trip when operated (functional check) (612.13.1)	
5.19	Confirmation of indication that SPD(s) are functional	
5.20	Confirmation that single-pole switches or protective devices in line conductors only (132.14.1; 530.3.2)	
5.21	Presence of diagrams, charts or schedules at or near equipment, where required (514.9.1)	
5.22	Presence of RCD quarterly retest notice at or near equipment, where required (514,12,2)	
5.23	Presence of non-standard (mixed) cable colour warning notice at or near equipment where required (514.14)	
5.24	Presence of replacement next inspection recommendation label (514.12)	
5.25	Presence of other required labelling (please specify)	
5.26	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.11)	
5.27	Protection against electromagnetic effects (heating effects) where cables enter metallic (e.g. steel) enclosures (521.5.1)	

6. DISTRIBUTION / FINAL CIRCUITS

6.1	Identification of conductors (by colour, numbers and/or lettering) (514.3.1)	
6.2	Cables correctly supported throughout their length, especially in escape routes (522.8.5)	
6.3	Condition of insulation of live parts (416.1)	
6.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)	
6.5	Containment system is suitable for continued use (including flexible conduit) (Section 522)	
6.6	Cables correctly terminated in enclosures (Section 526)	
6.7	Confirmation that ALL conductor connections, including connections to busbars are correctly located in terminals and are tight and secure (526.1)	
6.8	Cables show no signs of unacceptable thermal or mechanical damage/deterioration (421.1; 522.6)	
6.9	Cables are adequate for current-carrying capacity with regard for the type and nature of installation (Section 523)	

Other than domestic or similar.

											•		1
OUTCOMES	Acceptable 🗸	Unacceptable State C1 condition or C2	Improvement recommended	State C3	Not Verified	N/V	Limitation L	IM	Not applicable	N/A	Further investigation required	FI	

Report No.

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		* Outcome	Comments and/or location
6.10	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)		
6.11	Co-ordination between conductors and overload protective devices (433.1; 533.2.1)		
6.12	Wiring system appropriate to the type and nature of installation and external influences (Section 522)		
6.13	Where exposed to direct sunlight, cable(s) of a suitable type (522.11.1)		
5.14	Cables concealed under floors, above ceilings, in walls/partitions less than 50 mm from a surface, and in partitions containing metal		
	i) installed in prescribed zones (see Section D. Extent and limitations) (522.6.101)		
	ii) incorporate earthed armour or sheath, or be installed within an earthed wiring systems, or otherwise protected against mechanical sufficient to prevent damage by nais, screws and the like (see Section D. Extent and limitations) (522.6.101; 522.6.103)		
6.15	Provision of additional protection by 30 mA#		
	• for all socket-outlets of rating 20 A or less, unless exempt		
	• for mobile equipment not exceeding a rating of 32 A for use outdoors		
	• for cables installed in walls / partitions at a depth of less than 50 mm		
	• for cables installed in walls / partitions containing metal parts regardless of depth		
6.16	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)		
5.17	Band II cables segregated/separated from Band I cables or insulated for highest voltage present (528.1)		
5.18	Cables segregated/separated from non-electrical services (528.3)		
6.19	General condition of wiring system(s) (621.2(ii))		
5.20	Temperature rating of cable insulation (522.1; Table 52.1)		
6.21	Condition of circuit accessories including socket-outlets, switches and joint boxes (621.2(iii))		
6.22	Suitability of circuit accessories for external influences (512.2)		
5.23	Single-pole devices for switching in line conductor only (132.14.1; 530.3.2)		
5.24	Termination of cables at enclosures (identify numbers and locations of items inspected in Section D)		
	Connections soundly made and under no undue strain		
	No basic insulation of a conductor visible outside enclosure		
	Connections of live conductors adequately enclosed		
	Adequately connected at point of entry to enclosure (gland, bush or similar)		
6.25	Adequacy of connections, including cpcs, within accessories and to fixed and stationary equipment, identify/record numbers and locations of items inspected (Section 526)		

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

7. ISOLATION AND SWITCHING

7.1	Isolators 537.2	
	i) Presence and condition of appropriate devices (537.2.2)	
	ii) Acceptable location - state if local or remote from equipment in question (537.2.1.5)	
	iii) Capable of being secured in the OFF position (537.2.1.2)	
	iv) Correct operation verified (612.13.2)	
	v) Clearly identified by position and/or durable marking(s) (537.2.2.6)	
	vi) Warning label posted in situations where live parts cannot be isolated by the operation of a single device (514.11.1; 537.2.1.3)	
7.2	Switching off for mechanical maintenance (537.3)	
	i) Presence and condition of appropriate devices (537.3.1.1)	
	ii) Acceptable location - that is convenient for intended use (537.3.2.4)	
	iii) Capable of being secured in the OFF position (537.3.2.3)	
	iv) Correct operation verified (612.13.2)	
	v) Clearly identified by position and/or durable marking(s) (537.3.2.4)	

*ALL 'outcome' boxes to be completed.

This Schedule is based on the model form shown in Appendix 6 of BS 7671

Unacceptable State C1 condition or C2

Other than domestic or similar.

OUTCOMES Acceptable condition

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Improvement recommended State C3	Not Verified N/V	Limitation LIM	Not applicable N/A	Further investigation required	FI

		*	
		Outcome	C omments and/or location
7.3 Emergency switch	ing/stopping (537.4)		
i) Presence and	condition of appropriate devices (537.4.1.1)		
ii) Readily access	ible for operation where danger might occur (537.4.2.5)		
iii) Correct operat	ion verified (537.4.2.6; 612.13.2)		
iv) Clearly identifie	d by position and/or durable marking(s) (537.4.2.7)		
7.4 Functional switchir	ng (537.5)		
i) Presence and	condition of appropriate devices (537.5.1.1)		
ii) Correct operat	ion verified (537.5.2.2; 612.13.2)		

8. CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)

8.1	Condition and suitability of equipment in terms of IP rating etc (416.2)	
8.2	Enclosure not damaged/deteriorated so as to impair safety (621.2(iii))	
8.3	Suitability for the environment and external influences (512.2)	
8.4	Equipment does not constitute a fire hazard (Section 421)	
8.5	Equipment is securely fixed (134.1.1)	
8.6	Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire; List number and location of luminaires inspected (separate page)	
8.7	Recessed luminaires (downligthers)	
	i) Correct type and rating of lamps fitted	
	 ii) Installed to minimise build-up of heat by use of 'fire rated' fittings, insulation displacement box or similar (421.1.2) 	
	iii) No signs of overheating to surrounding building fabric (559.4.1)	
	iv) No signs of overheating to conductors/terminations (526.1)	
8.8	Provision of undervoltage protection, where specified (Section 445)	
8.9	Provision of overload protection, where specified (Section 443; 552.1)	

9. LOCATION(S) CONTAINING A BATH OR SHOWER

9.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA (701.411.3.3)		
	i) serving the location		
	ii) passing through zone 1 and/or zone 2 not serving the location		
9.2	Where used as a protective measure, requirements for SELV or PELV are met (701.414.4.5)		
9.3	Shaver sockets comply with BS EN 61558-2-5 or BS 3535 (701.512.3)		
9.4	Presence of supplementary bonding conductors, unless not required by BS 7671: 2008 (701.415.2)		
9.5	Low voltage (e.g. 230 V) socket-outlets installed at least 3m horizontally from the boundary of zone 1 (701.512.3)		
9.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)		
9.7	Suitability of equipment for installation in a particular zone (701.512.3)		
9.8	Suitability of current-using equipment for particular position within the location (701.55)		

10. Other Special locations or installations.

10.1	If any other special installations or locations are present, list the particular inspections applied below, and on another page if necessary.	

Inspected by:

Name (Capitals):....

Signature:

Date: