

PERIODIC INSPECTION REPORT FOR AN ELECTRICAL INSTALLATION

Issued in accordance with *British Standard 7671 – Requirements for Electrical Installations* by an Approved Contractor or Conforming Body enrolled with the National Inspection Council for Electrical Installation Contracting, Vintage House, 37 Albert Embankment, London SE1 7UJ.

For explanatory notes relating to software endorsement, see 'Notes for Recipients'	

A. DETAILS OF THE CLIENT

Client:		Address:	
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B. PURPOSE OF THE REPORT

This Periodic Inspection Report must be used only for reporting on the condition of an existing installation.

Purpose for which this report is required:	
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C. DETAILS OF THE INSTALLATION

Occupier:		Description of premises:	Domestic	Commercial	Industrial
Address:		Other: (Please state)			
		Estimated age of the electrical installation:		years	
Postcode:		Evidence of alterations or additions		If yes, estimated age	years
Date of previous inspection:		Electrical Installation Certificate No or previous Periodic Inspection Report No:			
Records of installation available:		Records held by:			

D. EXTENT OF THE INSTALLATION AND LIMITATIONS OF THE INSPECTION AND TESTING

Extent of the electrical installation covered by this report:	
Agreed limitations, if any, on the inspection and testing:	
<p>This inspection has been carried out in accordance with BS 7671: 2001, as amended. Cables concealed within trunking and conduits, or cables and conduits concealed under floors, in inaccessible roof spaces and generally within the fabric of the building or underground, have not been visually inspected.</p>	

E. 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 (see C), having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations (see F) and the attached schedules (see H), provides an accurate assessment of the condition of the electrical installation taking into account the stated extent of the installation and the limitations of the inspection and testing (see D).

I/We further declare that in my/our judgement, the said installation was overall in condition (see G) at the time the inspection was carried out, and that it should be further inspected as recommended (see I).

‡ (Insert 'a satisfactory' or 'an unsatisfactory', as appropriate)

INSPECTION, TESTING AND ASSESSMENT BY:

REPORT REVIEWED AND CONFIRMED BY: † See note below

Signature:	
Name: (CAPITALS)	
Position:	
Date:	

Signature:	
Name: (CAPITALS)	
<i>(Registered Qualified Supervisor for the Approved Contractor at J)</i>	
Date:	

† This Periodic Inspection Report should be reviewed and confirmed by the registered Qualified Supervisor for the Approved Contractor responsible for issuing the Report.

NOTES FOR RECIPIENTS

THIS PERIODIC INSPECTION REPORT IS AN IMPORTANT AND VALUABLE DOCUMENT WHICH SHOULD BE RETAINED FOR FUTURE REFERENCE

The purpose of periodic inspection is to determine, so far as is reasonably practicable, whether an electrical installation is in a satisfactory condition for continued service. This report provides an assessment of the condition of the electrical installation identified overleaf at the time it was inspected, taking into account the stated extent of the installation and the limitations of the inspection and testing.

The report has been issued in accordance with the national standard for the safety of electrical installations, British Standard 7671: 2001 (as amended) - *Requirements for Electrical Installations* (formerly known as the IEE Wiring Regulations).

Where the installation incorporates a residual current device (RCD), there should be a notice at or near the main switchboard or consumer unit stating that the device should be tested at quarterly intervals. For safety reasons, it is important that you carry out the test regularly.

Also for safety reasons, the electrical installation will need to be re-inspected at appropriate intervals by a competent person. The recommended maximum time interval to the next inspection is stated on page 3 in Section I (*Next Inspection*). The NICEIC* recommends that you engage the services of an Approved Contractor for this purpose. There should be a notice at or near the main switchboard or consumer unit indicating when the next inspection of the installation is due.

Only an NICEIC Approved Contractor or Conforming Body is authorised to issue this NICEIC Periodic Inspection Report form.

The report consists of at least six numbered pages. The report is invalid if any of the pages identified in Section H are missing. The report has a printed seven-digit serial number, which is traceable to the Approved Contractor to which it was supplied by the NICEIC.

For installations having more than one distribution board or more circuits than can be recorded on Pages 5 and 6, one or more additional *Schedules of Circuit Details for the Installation*, and *Schedules of Test Results for the Installation* (pages 7 and 8 onwards) should form part of the report.

This report is intended to be issued only for the purpose of reporting on the condition of an existing electrical installation. The report should identify, so far as is reasonably practicable and having regard to the extent and limitations recorded in Section D, any damage, deterioration, defects, dangerous conditions and any non-compliances with the requirements of the national standard for the safety of electrical installations which may give rise to danger. It should be noted that the greater the limitations applying to a report, the less its value.

The report should not have been issued to certify that a new electrical installation complies with the requirements of the national safety standard. An 'Electrical Installation Certificate' or a 'Domestic Electrical Installation Certificate' (where appropriate) should be issued for the certification of a new installation.

This report should not have been issued for electrical work in a potentially explosive atmosphere (hazardous area) unless the Approved Contractor holds an appropriate extension to NICEIC enrolment for such work.

You should have received the report marked 'Original' and the Approved Contractor should have retained the report marked 'Duplicate'.

If you were the person ordering the work, but not the user of the installation, you should pass this report, or a full copy of it including these notes, the schedules and additional pages (if any), immediately to the user.

The 'Original' report form should be retained in a safe place and shown to any person inspecting or undertaking further work on the electrical installation in the future. If you later vacate the property, this report will provide the new user with an assessment of the condition of the electrical installation at the time the periodic inspection was carried out.

* The NICEIC (National Inspection Council for Electrical Installation Contracting) is an independent consumer safety body set up to protect users of electricity against the hazards of unsafe and unsound electrical installations. It is the industry's voluntary electrical safety regulatory body. It is not a trade association. The NICEIC Approved Contractor scheme has been accredited by the United Kingdom Accreditation Service (UKAS) against the requirements of EN 45011 - General requirements for bodies operating product certification systems.

NICEIC Approved Contractors have been assessed as having the technical capability to carry out electrical work in compliance with the national standard for the safety of electrical installations, British Standard 7671 - Requirements for Electrical Installations (formerly the IEE Wiring Regulations), and all electrical installation work carried out by them, including periodic inspections, is required to comply with that standard.

GUIDANCE FOR RECIPIENTS ON THE RECOMMENDATION CODES

Only one Recommendation Code should have been given for each recorded observation.

Recommendation Code 1

Where an observation has been given a Recommendation Code 1 (requires urgent attention), the safety of those using the installation may be at risk.

The person responsible for the maintenance of the installation is advised to take action without delay to remedy the observed deficiency in the installation, or to take other appropriate action (such as switching off and isolating the affected part(s) of the installation) to remove the potential danger. The NICEIC Approved Contractor issuing this report will be able to provide further advice.

It is important to note that the recommendation given at Section I *Next Inspection* of this report for the maximum interval until the next inspection, is conditional upon all items which have been given a Recommendation Code 1 being remedied without delay.

Recommendation Code 2

Recommendation Code 2 (requires improvement) indicates that, whilst the safety of those using the installation may not be at immediate risk, remedial action should be taken as soon as possible to improve the safety of the installation to the level provided by the national standard for the safety of electrical installations, BS 7671. The NICEIC Approved Contractor issuing this report will be able to provide further advice.

Items which have been attributed Recommendation Code 2 should be remedied as soon as possible (see Section F).

Recommendation Code 3

Where an observation has been given a Recommendation Code 3 (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. Items which have been attributed Recommendation Code 3 should be investigated as soon as possible (see Section F).

The person responsible for the maintenance of the installation is advised to arrange for the NICEIC Approved Contractor issuing this report (or other competent person) to undertake further examination of the installation to determine the nature and extent of the apparent deficiency.

Recommendation Code 4

Recommendation Code 4 [does not comply with BS 7671: 2001 (as amended)] will have been given to observed non-compliance(s) with the **current** safety standard which do not warrant one of the other Recommendation Codes. It is not intended to imply that the electrical installation inspected is unsafe, but careful consideration should be given to the benefits of improving these aspects of the installation. The NICEIC Approved Contractor issuing this report will be able to provide further advice.

H. SCHEDULES AND ADDITIONAL PAGES

Schedule of Items Inspected and Schedules of Items Tested: Page No 4 Additional pages, including additional source(s) data sheets: Page No(s)

Schedule of Circuit Details for the Installation: Page No(s) 5 Schedule of Test Results for the Installation: Page No(s) 6

The pages identified here form an essential part of this report. The report is valid only if accompanied by all the schedules and additional pages identified above.

I. NEXT INSPECTION

I/We recommend that this installation is further inspected and tested after an interval of not more than (Enter interval in terms of years, months or weeks, as appropriate)

provided that any items at F which have been attributed a Recommendation Code 1 (requires urgent attention) are remedied without delay. Items which have been attributed a Recommendation Code 2 or 3 should be actioned as soon as practicable (see F).

J. DETAILS OF NICEIC APPROVED CONTRACTOR

Trading Title:

Address:

Telephone number:

Fax number:

Enrolment number: (Essential information)

Branch number: (if applicable)

Postcode:

K. SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate

System Type(s)	Number and Type of Live Conductors			Nature of Supply Parameters			Characteristics of Primary Supply Overcurrent Protective Device(s)
TNS	a.c.		d.c.	Nominal voltage(s), $U_0^{(1)}$	V	$U_0^{(1)}$	V
TN-C-S	1-phase (2 wire)	1-phase (3 wire)	2 pole	Nominal frequency, $f^{(1)}$	Hz	Notes: (1) by enquiry	
TN-C	2-phase (3 wire)		3-pole	Prospective fault current, $I_{pf}^{(2)(3)}$	kA	(2) by enquiry or by measurement	
TT	3-phase (3 wire)	3-phase (4 wire)	other	External earth fault loop impedance, $Z_e^{(3)(4)}$	Ω	(3) where more than one supply, record the higher or highest values	
IT	Other	Please state		Number of supplies		Nominal current rating	A
						Short-circuit capacity	kA

L. PARTICULARS OF INSTALLATION AT THE ORIGIN

Tick boxes and enter details, as appropriate

Means of Earthing		Details of Installation Earth Electrode (where applicable)			
Supplier's facility:	Type: (eg rod(s), tape etc)	Location:			
Installation earth electrode:	Electrode resistance, R_A :	(Ω)	Method of measurement:		
Main Switch or Circuit-Breaker <small>(applicable only where an RCD is suitable and is used as a main circuit-breaker)</small>		Maximum Demand (Load):	A per phase	Method of Protection against Indirect Contact:	
Type: BS(EN)	Voltage rating	V	Main Protective Conductors		
No of Poles	Current rating, I_n	A	Earthing conductor		Bonding of extraneous-conductive-parts (✓)
Supply conductors material	RCD operating current, $I_{\Delta n}^*$	mA	Conductor material	Main equipotential bonding conductors	Water service
Supply conductors csa	RCD operating time (at $I_{\Delta n}^*$)	ms	Conductor csa	Conductor csa	Gas service
			Continuity check	Continuity check	Oil service
			(✓)	(✓)	Structural steel
					Lightning protection
					Other incoming service(s)

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

NOTES FOR RECIPIENTS (continued from the reverse of page 1)

Section D addresses the extent and limitations of the report by providing boxes for the *Extent of the electrical installation covered by this report* and the *Agreed limitations, if any, on the inspection and testing*. Information given here should fully identify the scope of the inspection and testing and of the report. The Approved Contractor should have agreed all such aspects with the person ordering the work and other interested parties (eg licensing authority, insurance company, building society etc) before the inspection was carried out.

A declaration of the overall condition of the installation should have been given by the inspector in Section E of the report. The declaration must reflect that given in Section G, which summarises the observations and recommendations made in Section F. A list of observations and recommendations for urgent remedial work and corrective action(s) necessary to maintain the installation in a safe working order should have been given in Section F, where appropriate. For further guidance on the recommendations, please see the reverse of page 2.

Where the information provided on this report has been checked, compiled and printed with the aid of a proprietary software package endorsed by the NICEIC, a computer-printed copy of the NICEIC logo will appear in the box at the top left-hand corner of the front page of the report and on the schedule(s) of test results, together with an indication of the supplier of the software and the software version number. NICEIC-endorsed software embodies a system of checking the completeness and acceptability of the inspection and test results, but it remains the responsibility of the compiler of the report to ensure that the information provided on the report is factual, and that the declaration (in Section E) of the overall condition of the electrical installation to which the report relates is reasonable in all the circumstances.

If no computer-printed copy of the NICEIC logo appears in the boxes, the technical information provided on the report has not been subjected to the automatic checks endorsed by the NICEIC.

Where the installation can be supplied by more than one source, such as the public supply and a standby generator, the number of supplies should have been recorded in the box entitled *Number of Supplies*, in Section K *Supply Characteristics and Earthing Arrangements* on page 3 of the report, and the *Schedule of Test Results* compiled accordingly.

Should the person ordering the periodic inspection (eg the client, as identified on Page 1 of this certificate), have reason to believe that the report issued by the Approved Contractor does not reasonably reflect the condition of the electrical installation reported on, the person should in the first instance raise the specific concerns in writing with the Approved Contractor. If the concerns remain unresolved, the client may make a formal complaint to the NICEIC, for which purpose a standard complaint form is available on request.

The complaints procedure offered by the NICEIC is subject to certain terms and conditions, full details of which are available upon application. The NICEIC does not investigate complaints relating to the operational performance of electrical installations (such as lighting levels), or to contractual or commercial issues (such as time or cost).

SCHEDULE OF ITEMS INSPECTED

† See note below

Methods of protection against electric shock

- a. Protection against both direct and indirect contact:
 - (i) SELV
 - (ii) Limitation of discharge of energy
- b. Protection against direct contact:
 - (i) Insulation of live parts
 - (ii) Barriers or enclosures
 - (iii) Obstacles
 - (iv) Placing out of reach
 - (v) PELV
 - (vi) Presence of RCD for supplementary protection
- c. Protection against indirect contact:
 - (i) EEBAD including:
 - Presence of earthing conductor
 - Presence of circuit protective conductors
 - Presence of main equipotential bonding conductors
 - Presence of supplementary equipotential bonding conductors
 - Presence of earthing arrangements for combined protective and functional purposes
 - Presence of adequate arrangements for alternative source(s), where applicable
 - Presence of residual current device(s)
 - (ii) Use of Class II equipment or equivalent insulation
 - (iii) Non-conducting location:
 - Absence of protective conductors
 - (iv) Earth-free equipotential bonding:
 - Presence of earth-free equipotential bonding conductors
 - (v) Electrical separation

Prevention of mutual detrimental influence

- a. Proximity of non-electrical services and other influences
- b. Segregation of Band I and Band II circuits or Band II insulation used
- c. Segregation of safety circuits

Identification

- Presence of diagrams, instructions, circuit charts and similar information
- Presence of danger notices and other warning notices
- Labelling of protective devices, switches and terminals
- Identification of conductors

Cables and Conductors

- Routing of cables in prescribed zones or within mechanical protection
- Connection of conductors
- Erection methods
- Selection of conductors for current carrying capacity and voltage drop
- Presence of fire barriers, suitable seals and protection against thermal effects

General

- Presence and correct location of appropriate devices for isolation and switching
- Adequacy of access to switchgear and other equipment
- Particular protective measures for special installations and locations
- Connection of single-pole devices for protection or switching in phase conductors only
- Correct connection of accessories and equipment
- Presence of undervoltage protective devices
- Choice and setting of protective and monitoring devices (for protection against indirect contact and/or overcurrent)
- Selection of equipment and protective measures appropriate to external influences
- Selection of appropriate functional switching devices

SCHEDULE OF ITEMS TESTED

† See note below

- | | | | |
|--------------------------|---|--------------------------|--|
| <input type="checkbox"/> | External earth fault loop impedance, Z_e | <input type="checkbox"/> | Protection by separation of circuits |
| <input type="checkbox"/> | Installation earth electrode resistance, R_A | <input type="checkbox"/> | Protection against direct contact by barrier or enclosure provided during erection |
| <input type="checkbox"/> | Continuity of protective conductors | <input type="checkbox"/> | Insulation of non-conducting floors or walls |
| <input type="checkbox"/> | Continuity of ring final circuit conductors | <input type="checkbox"/> | Polarity |
| <input type="checkbox"/> | Insulation resistance between live conductors | <input type="checkbox"/> | Earth fault loop impedance, Z_s |
| <input type="checkbox"/> | Insulation resistance between live conductors and earth | <input type="checkbox"/> | Operation of residual current devices |
| <input type="checkbox"/> | Site applied insulation | <input type="checkbox"/> | Functional testing of assemblies |

† All boxes must be completed.

- ✓ indicates that an inspection or a test was carried out and that the result was **satisfactory**
- X indicates that an inspection or a test was carried out and that the result was **unsatisfactory**
- N/A indicates that an inspection or a test was **not applicable** to the particular installation
- LIM indicates that, that exceptionally, a **limitation** agreed with the person ordering the work (as recorded in Section D) **prevented** the inspection or test being carried out.

