

<b>PERIODIC INSPECTION REPORT FOR AN ELECTRICAL INSTALLATION</b>  <b>REQUIREMENTS FOR WIRING INSTALLATIONS BS 7671:2008 (IEE WIRING REGULATIONS)</b>	<b>REPORT NUMBER</b>  <b>PIR</b> <b>????</b>
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<b>DETAILS OF THE CLIENT</b>	Client: Mr Testit
	Address: 1 Testing Close, Test

<b>PURPOSE OF REPORT</b>	Purpose for which this report is required: Ascertain state of wiring within premises
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<b>DETAILS OF THE INSTALLATION</b>	Occupier: Same as client	Type of Premises	Domestic: <input checked="" type="checkbox"/>
	Address: Same as client		Commercial: <input type="checkbox"/>
			Industrial: <input type="checkbox"/>
			Other: <input type="checkbox"/>

Estimated age of the installation (years)	37	
Evidence of additions or alterations (yes/no)	yes	If yes, estimated age of additions or alterations
Date of last inspection	none	Details of certification of a previous inspection (if any)
Records of the installation available	no	Who holds the records (if any)

<b>EXTENT AND LIMITATIONS OF THE INSPECTION</b>	Extent of electrical installation covered by this report: Fixed wiring within the property
	Agreed limitations, if any, on the inspection and testing:

This inspection has been carried out in accordance with BS 7671:2001 (IEE Wiring Regulations), amended to 2004. Cables concealed within trunking and conduits, or cables and conduits concealed under floors, in roof spaces and generally within the fabric of the building or underground have not been inspected.

<b>NEXT INSPECTION</b>	I/we recommend that the installation is further and tested after an interval of not more than provided that any observations "requiring urgent attention are attended to without delay.
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<b>DECLARATION</b>	<b>Inspection, testing and assessment by:</b>	<b>Report reviewed and confirmed by:</b>
Signature: 	Signature: 	
Name in (capitals): David Lee	Name in (capitals): David Lee	
Date: 26/09/2008	Date: 26/09/2008	
Position: Electrician		
For and behalf of: All Wiring Matters		
Address: 19 Cheshunt Close Meopham Kent		
Postcode: DA13 0HU		
Telephone No: 01474 816446		

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS				REPORT NUMBER	
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<b>Earthing Arrangements</b>	<b>Number and Type of Live Conductors</b>		<b>Nature of Supply Parameters</b>		<b>Supply Protective Device Characteristics</b>
TN-S <input type="checkbox"/>	a.c. <input checked="" type="checkbox"/>	d.c. <input type="checkbox"/>	Nominal U/ Uo voltages: <input type="checkbox"/>	<input type="checkbox"/>	Type: <input type="checkbox"/>
TN-C-S <input checked="" type="checkbox"/>	1-Phase, 2- wire <input checked="" type="checkbox"/>	2- pole <input type="checkbox"/>	Nominal frequency <input type="checkbox"/>	<input type="checkbox"/>	Nominal current rating (A) <input type="checkbox"/>
TN-C <input type="checkbox"/>	2-Phase, 3- wire <input type="checkbox"/>	3- pole <input type="checkbox"/>	Prospective fault current <input type="checkbox"/>	<input type="checkbox"/>	
TT <input type="checkbox"/>	3-Phase, 3- wire <input type="checkbox"/>	Other <input type="checkbox"/>	Ze External earth fault loop impedance <input type="checkbox"/>	<input type="checkbox"/>	
IT <input type="checkbox"/>	3-Phase, 4- wire <input type="checkbox"/>		Number of supplies <input type="checkbox"/>	<input type="checkbox"/>	

**PARTICULARS OF INSTALLATION REFERRED TO IN THE REPORT**

<b>Means of Earthing</b>		<b>Details of Earth Electrode Installation (if applicable)</b>			
Suppliers facility <input checked="" type="checkbox"/>	Installation earth <input type="checkbox"/>	Type <input type="checkbox"/>	Electrode resistance RA <input type="checkbox"/> Ω	Location <input type="checkbox"/>	
<b>Main Switch or Circuit-Breaker</b>		<b>Main Protective Conductors</b>			
Type BS(EN) <input type="checkbox"/>	No of poles <input type="checkbox"/>	Location <input type="checkbox"/>	Voltage rating <input type="checkbox"/> V	Current rating <input type="checkbox"/> A	<b>Earthing Conductor</b>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Conductor material <input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Conductor material <input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Conductor CSA <input type="checkbox"/> mm <sup>2</sup>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Continuity verified <input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Conductor material <input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Conductor CSA <input type="checkbox"/> mm <sup>2</sup>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Continuity verified <input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Water service <input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gas service <input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Oil service <input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Structural Steel <input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lightning Protection <input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other incoming services <input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Details of other incoming services <input type="checkbox"/>

**OBSERVATIONS AND RECOMMENDATIONS**

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 section.

No remedial work is required  The following observations and recommendations are made

Item No	Observations and recommendations	*Numbers
1	Socket in U/T room too close to sink	1
2	No RCD protection on any sockets	1
3	No main bonding on gas and water	1
4	Bathroom lights on mirror incorrect type for location	1
5	Consumer unit too close/touching gas meter	1
6	No supplementary bonding in any of the bathrooms	2
7	Warning labels, circuit details missing from consumer unit	2
8	No switch live markers on light switches	2

\* One of the following numbers, as appropriate, is allocated to each of the observations made above to indicate to the person(s) responsible for the installation the action recommended.

1	Requires urgent attention	2	Requires improvement	3	Requires further investigation
4	Does not comply with BS 7671:2008. This does not imply that the electrical installation inspected is unsafe				

**SUMMARY OF THE INSPECTION**

Dates of the inspection  26/09/2008

General condition of the installation

The fixed wiring is in good condition but there are area's that need urgent attention

Overall assessment:  Not satisfactory as it stands

**SCHEDULES**

The attached Schedules are part of this document and this Report is valid only when they are attached to it.

1 Schedules of Inspection and  1 Schedules of Test Results are attached

**GUIDANCE FOR RECIPIENTS**

This Periodic Inspection Report form is intended for reporting on the condition of an existing electrical installation. You should have received an original Report and the contractor should have retained a duplicate. If you were the person ordering this Report, but not the owner of the installation, you should pass this Report, or a copy of it, immediately to the owner. The original Report is to be retained in a safe place and be shown to any person inspecting or undertaking work on the electrical installation in the future. If you later vacate the property, this Report will provide the new owner with details of the condition of the electrical installation at the time the Report was issued. The "Extent and Limitations" box should fully identify the extent of the installation covered by this report and any limitations on the inspection and tests. The contractor should have agreed these aspects with you and with any other interested parties (Licensing Authority, Insurance Company, Building Society etc) before the inspection was carried out. The Report will usually contain a list of recommended actions necessary to bring the installation up to the current standard. For Items classified as "requires urgent attention", the safety of those using the installation may be at risk, and it is recommended that a competent person undertakes the necessary remedial. For safety reasons, the electrical installation will need to be re-inspected at appropriate intervals by a competent person. The maximum time interval recommended before the next inspection is stated in the Report under "Next Inspection".



# SCHEDULE OF INSPECTIONS

## REPORT NUMBER

PIR

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### Methods of Protection against electric shock

**Both basic and fault protection:**

- (i) SELV (Note 1)
- (ii) PELV
- (iii) Double insulation (Note 2)
- (iv) Reinforced insulation (Note 2)

**Basic protection (Note 3)**

- (i) Insulation of live parts
- (ii) Barriers or enclosures
- (iii) Obstacles (Note 4)

**Fault protection:**

**(i) Automatic disconnection of supply:**

- Presence of earthing conductor
- Presence of circuit protective conductors
- Presence of protective bonding conductors
- Presence of supplementary bonding conductors
- Presence of earthing arrangements for combined protective and functional purposes
- Presence of adequate arrangements for alternative source(s), where applicable
- FELV
- Choice of setting of protective and monitoring devices (for fault and/or overcurrent protection)

**(ii) Non-conducting location: (Note 6)**

- Absence of protective conductors

**(iii) Earth-free local equipotential bonding: (Note 6)**

- Presence of earth-free local equipotential bonding

**(iii) Electrical Separation: (Note 7)**

- Provided for one item of current-using equipment
- Provided for more than one item of current using equipment

**Additional protection:**

- Presence of residual current device(s)
- Presence of supplementary bonding conductors

### 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
- (c) Segregation of safety circuits

### Identification

- (a) Presence of diagrams, instructions, circuit charts and similar information
- (b) Presence of danger notices and other warning notices
- (c) Labelling of protective devices, switches and terminals
- (d) Identification of conductors

### Cables and conductors

- Selection of conductors for current-carrying capacity and voltage drop
- Erection methods
- Routing of cables in prescribed zones
- Cables incorporating earthed armour or sheath, or run within an earthed wiring system, or otherwise adequately protected against nails, screws and the like
- Additional protection provided by 30mA RCD for cables in concealed walls (where required in premises not under the supervision of a skilled or instructed person)
- Connection of conductors
- Presence of fire barriers, suitable seals and protection against thermal effects
- Presence and correct location of appropriate devices for isolation and switching
- Adequacy of access to switchgear and other equipment
- Particular protective measures and special installations and locations
- Connection of single-pole devices for protection or switching in line conductors only
- Correct connection of accessories and equipment
- Presence of undervoltage protective devices
- Selection of equipment and protective measures appropriate to external influences
- Selection of appropriate functional switching devices

**Notes:**

- To Indicate that an inspection or a test has been carried out and the result was satisfactory.
- To indicate that an inspection or test has been carried out and that the result was unsatisfactory
- N/A** To indicate that exceptionally, a limitation agreed with the person ordering the work prevented the inspection or test being carried out
- LIM** To indicate that exceptionally, a limitation agreed with the person ordering the work prevented the inspection or test being carried out

- |   |  |
|---|--|
| <p>1 SELV - an extra-low voltage system which is electrically separated from Earth and from other systems in such a way that a single fault cannot give rise to the risk of electric shock. The particular requirements of the Regulation must be checked (see Section Double or reinforced insulation. Not suitable for domestic or similar installation if it is the sole protective measure (see 412.1.3)</p> <p>2 Basic protection - will include measurement of distances where appropriate</p> <p>3 Obstacles - only adopted in special circumstances (see 417.2)</p> <p>4 Placing out of reach - only adopted in special circumstances (see 417.3)</p> | <p>6 Non-conducting locations and Earth-free local equipotential bonding - these are not recognised for general application. May only be used where the installation is controlled/under supervision of skilled or instructed persons (see Section 418)</p> <p>7 Electrical separation - the particular requirements of the Regulations must be checked. If a single item of current-using equipment is supplied from a single source, see section 413. If more than one item of current-using equipment is supplied from a single source then the installation must be controlled/under the supervision of skilled or instructed persons, see also Regulation 418.3</p> |
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Inspected by

Date

26/09/2008

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