

Reference Number:
DEICR 334

ELECTRICAL INSTALLATION CONDITION REPORT

(REQUIREMENTS FOR ELECTRICAL INSTALLATIONS - BS7671 (IET WIRING REGULATIONS))

Details of the Client 1

Details of the Client: <i>RIBA</i> <i>22 Mourne Terrace</i> <i>Lincoln</i> <div style="text-align: right;"><i>LN5 9AH</i></div>	Reason for producing the report: <i>Client request</i>
---	---

Details of the Installation 2

Occupier and Address: <i>Student Letting</i> <i>26 York Avenue</i> <i>Lincoln</i>	Description of premises: <i>Domestic</i> Estimated age of wiring system(years): <input type="text"/> Evidence of additions / alterations: <input type="text" value="No"/> If yes, estimate age: (years) <input type="text"/> Installation records available: <input type="text" value="No"/> Date of last inspection: <input type="text"/>
--	---

Extent and Limitations of Inspection and Testing 3

Extent of installation covered by this report:
Whole of electrical installation

Agreed and operational limitations on inspection and testing (include reasons and person agreed with):
visual inspection limited to 30%

The inspection and testing detailed in this report and accompanying schedules has been carried out in accordance with BS7671:2008 (IET Wiring Regulations) as amended to *No. 1 - July 2011*. 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 the inspection.

Summary of the Condition of the Installation 4

See page 2 for a summary of the general condition of the installation in terms of electrical safety.

Overall assessment of the installation in terms of it's suitability for continued use*: *Unsatisfactory*

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

Declaration 5

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 attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and limitations listed above.

Inspected and Tested by: Name: <i>STEPHEN MARK</i> Position: <i>ELECTRICIAN</i> Date: <i>4/8/2014</i> Signature: <i>S - MARK</i>	Report reviewed and authorised for Issue by: Name: <i>JAMIE COLLINS</i> Position: <i>QUALIFIED SUPERVISOR</i> Date: <i>04/08/2014</i> Signature: <i>J COLLINS</i>
---	--

Reference Number:
DEICR 334

Details of the Contractor Responsible for the Inspection and Testing

Company and Address including postcode:
SM Electrical Services
22 Harwich Close
Lincoln
LN5 9UG

Telephone Number: *01522 536719*

CPS Provider: *NICEIC*

CPS Registration No: *D100125*

Recommendations

Where the overall assessment of the suitability of the installation for continued use on page 1 is stated as 'UNSATISFACTORY', I/We recommend that any observations classified as 'Code 1 - Danger Present' or 'Code 2 - Potentially dangerous' are acted upon as a matter of urgency. Investigation without delay is recommended for observations identified as 'Further Investigation Required'. Observations classified as 'Code 3 - Improvement recommended' should be given due consideration.

General condition of the installation in terms of electrical safety:
Satisfactory following remedial action.

Subject to the necessary remedial action being taken, I/we recommend that the installation is further inspected and tested after an interval not exceeding: *3 months*

Supply Characteristics & Earthing Arrangements

System Earthing Arrangement: *TN-C-S*

Other Sources of Supply (to be detailed on attached schedules): *N/A*

Supply Protective Device

BS(EN): *1361* Type:

Rating: *60* A Breaking capacity: *33* kA

No. & Type of Live Conductors: *a.c. 1 phase - 2 wire*

Nominal Voltage⁽¹⁾ U₀: *230* V U: V

Nominal Frequency, f⁽¹⁾: *50* Hz

External Loop Impedance, Z_e⁽²⁾: *.33* Ω ⁽¹⁾ By Enquiry

Prospective Fault Current, I_{pf}⁽²⁾: *.729* kA ⁽²⁾ By Enquiry or by measurement

Particulars of the Installation

Maximum Demand (Load): *60* A

Fault Protection: *ADS*

Means of Earthing

Distributors Facility:

Installation Earth Electrode: *N/A*

Electrode Details (if applicable)

Type: *N/A*

Location: *N/A*

Resistance to Earth: *N/A* Ω

Main Protective Conductors

Earthing Conductor:

Material: *Copper* Csa: *16* mm² Continuity & Connection:

Main Protective Bonding Conductor:

Material: *Copper* Csa: *10* mm² Continuity & Connection:

Main Switch or Circuit-breaker

Location: *Understairs*

BS(EN): *60947-3*

Type:

Current Rating: *100* A

No. of poles: *2*

Voltage Rating: *230* V

RCD Operating current: *N/A* mA

RCD Rated time delay: *N/A* ms

RCD Operating time at I_{Δn}: *N/A* ms

Other Bonded Services:

Water: Oil: *N/A*

Gas: *N/A* Steel: *N/A*

Other:

This form is based on the model shown in Appendix 6 of BS7671:2008 amended 2011. Generated by Castline Systems FormFill software. © July 2011.

Reference Number:

DEICR 334

ORIGINAL

Domestic and similar premises with up to 100A supply - Inspection Schedule (1)

This inspection schedule is suitable for many types of smaller installation and is not exclusively domestic

	Comments	Outcome	Further investigation required
1 - DISTRIBUTOR'S / SUPPLY INTAKE EQUIPMENT			
Service cable condition		✓	X
Condition of service head		✓	X
Condition of tails - Distributor		✓	X
Condition of tails - Consumer		✓	X
Condition of metering equipment		✓	X
Condition of isolator (where present)		✓	X
2 - PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES SUCH AS MICROGENERATORS			
		N/A	X
3 - EARTHING / BONDING ARRANGEMENTS			
Presence and condition of distributor's earthing arrangement		✓	X
Presence and condition of earth electrode connection where applicable		N/A	X
Provision of earthing / bonding labels at all appropriate locations		✓	X
Confirmation of earthing conductor size		✓	X
Accessibility and condition of earthing conductor at MET		✓	X
Confirmation of main protective bonding conductor sizes		✓	X
Condition and accessibility of main protective bonding conductor connections		✓	X
Accessibility and condition of all protective bonding connections		✓	X
4 - CONSUMER UNIT(S) / DISTRIBUTION BOARDS(S)			
Adequacy of working space / accessibility to distribution board		✓	X
Security of fixing		✓	X
Condition of enclosure(s) in terms of IP rating etc		✓	X
Condition of enclosure(s) in terms of fire rating etc		✓	X
Enclosure not damaged / deteriorated so as to impair safety		✓	X
Presence of main linked switch		✓	X
Operation of main switch (functional check)		✓	X
Manual operation of circuit-breakers and RCD's to prove disconnection		✓	X
Correct identification of circuit details and protective devices		✓	X
Presence of RCD quarterly test notice at or near distribution board		C2	X
Presence of non-standard (mixed) cable colour warning notice at or near distribution board		N/A	X
Presence of alternative supply warning at or near distribution board		N/A	X
Presence of other required labelling (please specify)		✓	X
Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating)		✓	X
Single-pole protective devices in line conductor only		✓	X

✓ : Acceptable condition. C1 or C2 : Unacceptable condition. C3 : Improvement recommended. N/V : Not verified. LIM : Limitation. N/A : Not applicable

This form is based on the model shown in Appendix 6 of BS7671:2008 amended 2011.  Generated by Castline Systems FormFill software. © July 2011.

Reference Number:

DEICR 334

ORIGINAL

Domestic and similar premises with up to 100A supply - Inspection Schedule (2)

This inspection schedule is suitable for many types of smaller installation and is not exclusively domestic

	Comments	Outcome	Further investigation required
4 - CONSUMER UNIT(S) / DISTRIBUTION BOARDS(S) (continued)			
Protection against mechanical damage where cables enter distribution board		✓	X
Protection against electromagnetic effects where cables enter distribution board / enclosures		✓	X
RCD(s) provided for fault protection - includes RCBOs		✓	X
RCD(s) provided for additional protection - includes RCBOs		✓	X
5 - FINAL CIRCUITS			
Identification of conductors		✓	X
Cables correctly supported throughout their run		✓	X
Condition of insulation of live parts		✓	X
Non-sheathed cables protected by enclosure in conduit, ducting or trunking		✓	X
To include the integrity of conduit and trunking systems(metallic and plastic) •		✓	X
Adequacy of cables for current-carrying capacity with regard for the type and nature of installation		✓	X
Coordination between conductors and overload protective devices		✓	X
Adequacy of protective devices: type and rated current for fault protection		✓	X
Presence and adequacy of circuit protective conductors		✓	X
Wiring system(s) appropriate for the type and nature of the installation and external influences		✓	X
Concealed cables installed in prescribed zones (see Extent and limitations)		✓	X
Concealed cables incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage from nails, screws and the like (see Extent and limitations)		✓	X
Provision of additional protection by RCD not exceeding 30mA:			
for all socket outlets of rating 20A or less provided for use by ordinary persons unless an exception is permitted •		✓	X
for supply to mobile equipment not exceeding 32A rating for use outdoors •		✓	X
for cables concealed in walls or partitions •		✓	X
Provision of fire barriers, sealing arrangements and protection against thermal effects		✓	X
Band II cables segregated / separated from Band I cables		N/A	X
Cables segregated / separated from communications cabling		N/A	X
Cables segregated / separated from non-electrical services		N/A	X
Termination of cables at enclosures - indicate extent of sampling in Extent and Limitations of the report			
Connections soundly made and under no undue strain •		✓	X
No basic insulation of a conductor visible outside enclosure •		✓	X
Connections of live conductors adequately enclosed •		✓	X
Adequately connected at point of entry to enclosure (glands, bushes etc.) •		✓	X
Condition of accessories including socket-outlets, switches and joint boxes		✓	X
Suitability of accessories for external influences		✓	X

✓ : Acceptable condition. C1 or C2 : Unacceptable condition. C3 : Improvement recommended. N/V : Not verified. LIM : Limitation. N/A : Not applicable

This form is based on the model shown in Appendix 6 of BS7671:2008 amended 2011. Generated by Castline Systems FormFill software. © July 2011.

ELECTRICAL INSTALLATION CONDITION REPORT GUIDANCE FOR RECIPIENTS

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

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 4). The Report should identify any damage, deterioration, defects and/or conditions which may give rise to danger.

The person ordering the Report should have received the "original" Report and the inspector should have retained a duplicate.

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.

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.

Section 3 (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.

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 3 - Extent and Limitations on page 1.

For items classified in the observations 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.

For items classified in the observations 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.

Where it has been stated that an observation requires further investigation the inspection has revealed an apparent deficiency which could not, due to the extent or limitations of the 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 7 - Recommendations).

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 on page 2 of the Report under 'Recommendations' and on a label at or near to the consumer unit / distribution board.