NAPIT ***Electrical Installation*** Condition Report

Guidance for recipients

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 K).
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 quarterly. **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 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 skilled person or persons 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 or persons 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 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 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

for Industrial / Commercial Premises

Requirements for Electrical Installations – BS 7671: 2008 incorporating Amendment No.3,2015 [IET Wiring Regulations 17th Edition] Only for the reporting on the condition of an existing installation.

NA/ 2 6 9 6 7 0 0 0 0 1 0 2 7

A Details of the installation

Client	WILLIAM	Installation *(If different from client)*	UNIT 26
Address	54 HAWKSTONE AVE GUISELEY LEEDS, W YORKS	Address	UNIT 26 OFF OTLEY ROAD, BAILDON BRADFORD, W YORKS
Postcode	LS20 8ES	Postcode	BD17 7QM

B Reason for producing this report *This form to be used only for reporting on the condition of an existing installation.*

INSURANCE

Date(s) on which the inspection and testing were carried out Not Specified to Not Specified

C Details of the installation which is the subject of this report

Description of premises Domestic ☐ Commercial ☐ Industrial ✔ Other *(please state)*

Estimated age of the wiring system 20+ years

Evidence of alterations or addition ✔ Yes ☐ No ☐ Not apparent If 'Yes', estimated 1 years

Records of installation available ☐ Yes ✔ No Records held by NA

Date of last inspection Not Known Electrical Installation Certificate No. or previous Inspection Report No. Not known

D Extent and limitations of inspection and testing

Extent of electrical installation covered by this report:

REPLACEMENT OF FUSE BOARD IN WELDING AREA AND SUB METER. CIRCUITS IN BOARD WELDER, LIGHTS, SOCKETS & SUPPLY TO SUB BOARD THAT HAS BEEN INSTALLED BY OTHER PARTY.

Agreed limitations *(See Regulations 634.2)* Agreed with:

Operational limitations including the reasons

The inspection and testing detailed within this report and accompanying schedule has been carried out in accordance with BS 7671: 2008 (IET Wiring Regulations), amended to 2015 (date) It should be noted that cables concealed within the trunkings 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. An inspection should be made within an accessible roof space housing other electrical equipment.

E Summary of the condition of the installation

General conditions of the Installation (in terms of safety)

INSTALLATION STARTING TO SHOW ITS AGE. MAY REQUIRE RE-WIRE AT NEXT INSPECTION.

Overall assessment of the installation in terms of its suitability for continued use SATISFACTORY ☐ UNSATISFACTORY* ✔

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

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 classified as '*Danger present*' **(codeC1)** or '*Potentially dangerous*' **(code C2)** are acted upon as a matter of urgency. Investigation without delay is recommended for observations identified as *'further investigation required'* **(code FI)** Observations classified as *'Improvement 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 25/05/2018 (date)

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	Authorised for issue by
Company	HBS Electrical Limited			
Membership No.	26967	Name:	T KILSBY	William Hawksworth
Address	28 Bewick Drive	Signature:	*T KILSBY*	*William Hawksworth*
		Position:	ELECTRICIAN	DIRECTOR
Postcode	BINGLEY, West Yorkshire BD16 3QE	Date:	06/05/2016	25/05/2016

H Schedule(s)

2 schedule(s) of inspection and 1 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.

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I Supply characteristics and earthing arrangements

Earthing Arrangements TN-S ☐ TN-C-S ☐ TT ✔ Other ☐ Please specify:

Number & type of live conductors a.c. ✔ d.c. ☐ No. of phases 1 No. of wires 2

Nature of Supply Parameters *(Note: (1) by enquiry, (2) by enquiry or by measurement)*

Nominal voltage, U/U_0 (1) 230 v Nominal frequency, f(1) 50 Hz Confirmation of supply polarity ✔

Prospective fault current, I_{pf} (2) kA External loop impedance, Z_e (2) 0.14 Ω

Supply Protective Device BS(EN) Type Nominal Current Rating 60 A

Other Sources of Supply

J Particulars of installation referred to in this report

Means of Earthing Distributor's facility ☐ Installation earth electrode ✔

Details of Installation earth electrode *(where applicable)* Type (e.g. rod(s), tape etc) Rod

Location BEHIND DB EXTERNALLY Electrode resistance to earth 0.14 Ω

Main Protective Conductors	Material	Csa (mm²)	**Verified (connection / continuity)..**					
Earthing Conductor	Copper	16	☐	To water installation pipes	☐	To structural steel	☐
Protective Bonding Conductor			☐	To gas installation pipes	☐	To lightning protection	☐
Main Supply Conductor(s)	Copper	16	☐	To oil installation pipes	☐	Other	☐

Main Switch / Switch-Fuse/ Circuit Breaker / RCD

Location WELDING AREA BY OI BS (EN) 60947-3 No. of Poles 2

Current rating 100 A Fuse/device rating or setting 100 A Voltage rating 230 V

If RCD main switch: Rated residual operating current $I_{\Delta n}$ = N/A mA Rated time delay N/A ms (at $I_{\Delta n}$)

Measured operating time at $I_{\Delta n}$ = ms

K Observations

Referring to the attached schedule of inspection and test results, and subject to the limitations at Section D.

☐ No remedial work required ✔ The following observations are made

Explanation of codes

C1. Danger present. Risk of injury. Immediate remedial action required
C2. Potentially dangerous. Immediate remedial action required.
C3. Improvement recommended.
FI. Further investigation required without delay

Item No.	Observation	Code
1	UNABLE TO FIND GAS OR WATER EARTHING	FI
2	NO FIRE SEAL AROUND CABLE ENTRY FOR LIGHTS	C2
3	NO SMOKE DETECTORS	C2
4	NO EMERGENCY LIGHTING	C3
5		
6		
7		

One of the above codes, as appropriate, has been allocated to each of the observations made above and/or any attached observation sheets to indicate to the person(s) responsible for the installation the degree of urgency for remedial action.

C1	**Immediate remedial work required for items**	
C2	**Urgent remedial work required for items**	2, 3
C3	**Improvement(s) recommended for items**	4
FI	**Further investigation required without delay**	1

Electrical Installation Condition Report
Main Intake Inspection Schedule

for Industrial/Commercial Premises

Requirements for Electrical Installations – BS 7671: 2008 incorporating Amendment No.3,2015 [IET Wiring Regulations 17th Edition]

NA/ 2 6 9 6 7 0 0 0 0 1 0 2 7

Outcomes

Acceptable condition: ***Pass***	Unacceptable condition: *State* ***C1*** or ***C2***	Improvement recommended: ***C3***	Further investigation ***FI***	Not verified: ***NV***	Limitation: ***Lim***	Not applicable: ***N/A***

Item No.	Description	Outcome
1.0	**CONDITION / ADEQUACY OF DISTRIBUTOR'S / SUPPLY INTAKE EQUIPMENT**	
1.1	Service cable	N/A
1.2	Service head	N/A
1.3	Distributors Earthing arrangements	N/A
1.4	Meter tails –Distributor / Consumer	N/A
1.5	Metering equipment	N/A
1.6	Isolator	N/A
2.0	**Presence of adequate arrangements for parallel or switched alternative sources**	
2.1	Adequate arrangements where a generator set operates as a switched alternative to the public supply [551.6]	N/A
2.2	Adequate arrangements where a generator set operates in parallel with the public supply [551.7]	N/A
3.0	**AUTOMATIC DISCONNECTION OF SUPPLY**	
3.1	**Main Earthing / Bonding Arrangements [411.3; Chap 54]**	
3.1.1	Presence of distributor's earthing arrangement [542.1.2.1; 542.1.2.2],	FI
3.1.2	or Presence of installation earth electrode arrangement [542.1.2.3]	FI
3.2	Adequacy of earthing conductor size [542.3; 543.1.1]	FI
3.3	Adequacy of earthing conductor connections [542.3.2]	FI
3.4	Accessibility of earthing conductor connections [543.3.2]	FI
3.5	Adequacy of main protective bonding conductor sizes [544.1]	FI
3.6	Adequacy and location of main protective bonding conductor connections [543.3.2; 544.1.2]	FI
3.7	Accessibility of all protective bonding connections [543.3.2]	FI
3.8	Provision of earthing / bonding labels at all appropriate locations [514.13]	FI
3.9	FELV- requirements satisfied [411.7; 411.7.1]	FI
4.0	**OTHER METHODS OF PROTECTION (Where the methods listed below are employed details should be provided on separate sheets)**	
4.1	Non-conducting location [418.1]	N/A
4.2	Earth-free local equipotential bonding [418.2]	Lim
4.3	Electrical separation [Section 413; 418.3]	Lim
4.4	Double insulation [Section 412]	Lim
4.5	Reinforced insulation [Section 412]	Lim
5.0	**DISTRIBUTION EQUIPMENT**	
5.1	Adequacy of Working space / accessibility to equipment [132.12; 513.1]	Pass
5.2	Security of fixing [134.1.1]	Pass
5.3	Condition of insulation of live parts [416.1]	Pass
5.4	Adequacy / security of barriers [416.2]	N/A
5.5	Condition of enclosure[s] in terms of IP rating etc [416.2]	N/A
5.6	Condition of enclosure[s] in terms of fire rating etc [421.1.6: 421.1.201:526.5]	Pass
5.7	Enclosure not damaged / deteriorated so as to impair safety [621.2 [iii]]	Pass
5.8	Presence and effectiveness of obstacles [417.2]	Pass
5.9	Presence of main switch[es], linked where required [537.1.2; 537.1.4]	Pass

Inspector's Name	T KILSBY
Date	06/05/2016

Signature

T KILSBY

Electrical Installation Condition Report
Main Intake Inspection Schedule

for Industrial/Commercial Premises

Requirements for Electrical Installations – BS 7671: 2008 incorporating Amendment No.3,2015 [IET Wiring Regulations 17th Edition]

NA/ 2 6 9 6 7 0 0 0 0 1 0 2 7

Outcomes

Acceptable condition: ***Pass***	Unacceptable condition: *State* ***C1*** or ***C2***	Improvement recommended: ***C3***	Further investigation ***FI***	Not verified: ***NV***	Limitation: ***Lim***	Not applicable: ***N/A***

Item No.	Description	Outcome
5.10	Operation of main switch[es] [functional check] [612.13.2]	Pass
5.11	Manual operation of circuit-breakers and RCDs to prove disconnection [612.13.2]	Pass
5.12	Confirmation that integral test button / switch causes RCD[s] to trip when operated [functional check] [612.13.1]	Pass
5.13	RCD[s] provided for fault protection – includes RCBOs [411.4.9; 411.5.2; 531.2]	Pass
5.14	RCD[s] provided for additional protection where required – includes RCBOs [411.3.3; 415.1]	Pass
5.15	Presence of RCD retest notice at or near equipment where required [514.12.2]	Pass
5.16	Presence of diagrams, charts or schedules at or near equipment where required [514.9.1]	N/A
5.17	Presence of non-standard [mixed] cable colour warning notice at or near equipment where required [514.14]	Pass
5.18	Presence of alternative supply warning notice at or near equipment where required [514.15]	N/A
5.19	Presence of next inspection recommendation label [514.12.1]	Pass
5.20	Presence of other required labelling [Please specify] [section 514]	Pass
5.21	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]	Pass
5.22	Single-pole switching or protective devices in line conductors only [132.14.1, 530.3.2]	Pass
5.23	Protection against mechanical damage where cables enter equipment [522.8.1; 522.8.11]	Pass
5.24	Protection against electromagnetic effects where cables enter ferromagnetic enclosures [521.5.1]	N/A
6.0	**DISTRIBUTION CIRCUITS**	
6.1	Identification of conductors [514.3.1]	Lim
6.2	Cables correctly supported throughout their run [522.8.5]	Lim
6.3	Condition of insulation of live parts [416.1]	Lim
6.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking [521.10.1]	Lim
6.5	Suitability of containment systems for continued use [including flexible conduit] [Section 522]	Lim
6.6	Cables correctly terminated in enclosures [Section 526]	Pass
6.7	Confirmation that ALL conductor connections, including connections to busbars are correctly located in terminals and are tight and secure [526.1]	Pass
6.8	Examination of cables for signs of unacceptable thermal or mechanical damage / deterioration [421.1; 522.6]	Lim
6.9	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation [Section 523]	
6.10	Adequacy of protective devices; type and rated current for fault protection [411.3]	Pass
6.11	Presence and adequacy of circuit protective conductors [411.3.1.1; 543.1]	Pass
6.12	Co-ordination between conductors and overload protective devices [433.1; 533.2.1]	Pass
6.13	Cable installation methods / practices with regard to the type and nature of installation and external influences[Section 522]	N/A
6.14	Where exposed to direct sunlight, cable of a suitable type [522.11.1]	N/A
6.15	Cables installed in prescribed zones [see extent and limitations] [522.6.202]	Lim
6.16	Cables incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage caused by nails, screws and the like [see extent and limitations] [522.6.204]	Lim
6.17	Provision of additional protection by 30 m A RCD for cables concealed in walls [522.6.202; 522.6.203]	Pass
6.18	Provision of fire barriers, sealing arrangements and protection against thermal effects [Section 527]	Pass
6.19	Band II Cables segregated / separated from Band I cables [528.1]	N/A
6.20	Cables segregated / separated from non-electrical services [528.3]	N/A

Inspector's Name	T KILSBY	Signature
Date	06/05/2016	T KILSBY

Electrical Installation Condition Report
Main Intake Inspection Schedule

for Industrial/Commercial Premises

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NA/ 2 6 9 6 7 0 0 0 0 1 0 2 7

Outcomes

Acceptable condition: ***Pass***	Unacceptable condition: *State* ***C1*** or ***C2***	Improvement recommended: ***C3***	Further investigation ***FI***	Not verified: ***NV***	Limitation: ***Lim***	Not applicable: ***N/A***

Item No.	Description	Outcome
6.21	Condition of circuit accessories [621.2 [iii]]	Pass
6.22	Suitability of circuit accessories for external influences [512.2]	Pass
6.23	Single-pole switching or protective devices in line conductors only [132.14.1, 530.3.2]	Pass
6.24	Adequacy of connections, including cpcs, within accessories and to fixed and stationary equipment – identify / record numbers and locations of items inspected in [Section 526]	NV
6.25	Presence, operation and correct location of appropriate devices for isolation and switching [537.2]	Pass
6.26	General condition of wiring systems [621.2[ii]]	Pass
6.27	Temperature rating of cable insulation [522.1.1; Table 52.1]	Pass

Inspector's Name	T KILSBY
Date	06/05/2016

Signature

T KILSBY

Electrical Installation Condition Report Test Schedule

for Industrial / Commercial Premises

Requirements for Electrical Installations – BS 7671:2008 incorporating Amendment No.3 2015
[IET Wiring Regulations 17th Edition]

NA/ 2 6 9 6 7 0 0 0 0 1 0 2 7

Client WILLIAM | Installation address UNIT 26, OFF OTLEY ROAD, BAILDON, BRADFORD, W YORKS | Postcode BD17 7QM

Complete in every case

Location of distribution board: WELDING ARE
Distribution board designation: DB1
Number of ways: 6

Complete only if the distribution board is not connected directly to the origin of the installation

Supply to distribution board is from: DB1, (1)
Overcurrent protective device for the distribution circuit: No. of phases: 1 Nominal Voltage: 230 V
Type BS(EN): Rating: A
Supply polarity confirmed: Phase sequence confirmed:

Characteristics at this distribution board

Z_{db} Ω | Operating times of | At $I_{\Delta n}$ ms | Associated RCD (if any): BS (EN)
I_{pf} kA | associated RCD(if any) | at 5 $I_{\Delta n}$ ms | RCD No of Poles | $I_{\Delta n}$ mA

Test instrument serial number(s)

Earth fault loop imped.
Insulation resistance
Continuity
RCD

CIRCUIT DETAILS and TEST RESULTS

Circuit No. and line No.	Circuit designation	Type of wiring	Ref. method	No. of points served	Circuit conductors csa: Live (mm²)	Circuit conductors csa: CPC (mm²)	Maximum disconnection time (BS:7671) (S)	Overcurrent protective devices: BS EN Number	Type No.	Rating (A)	Breaking capacity (kA)	RCD operating current $I_{\Delta n}$ (mA)	BS7671 Max. permitted value Z_s Other 80% Ω	Circuit impedence Ω: Ring final circuits only (measured end to end) r_1	r_n	r_2	Figure 8 check (✓)	All circuits to be completed using R1 R2, or R2, not both: R_1+R_2	R_2	Insulation resistance (Record lower reading): Live / Live (MΩ)	Live / Earth (MΩ)	Polarity (✓)	Maximum measured Z_s (Ω)	RCD testing: at $I_{\Delta n}$ ms	at 5 $I_{\Delta n}$ ms	Test Button operation (✓)
1	Sub Main to board 2	4	100	1	6	2.5	0.4	60898	B	63	6	NA	0.55	NA	NA	NA	NA	0.33	NA	>500	>500	✔	0.65			NA
2	Welder	4	100	1	4	2.5	0.4	61009	C	32	6	NA	0.54	NA	NA	NA	NA	0.31	NA	>500	>500	✔	0.61	36	9	NA
3	Sockets	2	100	5	2.5	1.5	0.4	61009	B	32	6	NA	1.10	0.37	0.36	0.50	NA	0.63	NA	>500	>500	✔	0.49	37	10	NA
4	Lights	2	100	7	1.5	1	0.4	61009	B	6	6	NA	5.82	NA	NA	NA	NA	0.53	NA	>500	>500	✔	0.70	37	9	NA

Details of circuits and/or installed equipment vulnerable to damage when testing

Wiring Types 1= PVC/PVC 2= Single Insulated in Conduit or Trunking 3= Mineral Insulated 4= SWA/XPLE 5= FP200

Tested by: Name (capital letters) T KILSBY | Signature T KILSBY

Position ELECTRICIAN | Date 06/05/2016

Electrical Installation Condition Report Distribution Board Inspection Schedule for Industrial / Commercial Premises

Requirements for Electrical Installations – BS 7671: 2008 incorporating Amendment No.3,2015 [IET Wiring Regulations 17th Edition] Only for the reporting on the condition of an existing installation.

NA/ 2 6 9 6 7 0 0 0 0 1 0 2 7

Outcomes

Acceptable condition: ***Pass***	Unacceptable condition: *State* ***C1*** or ***C2***	Improvement recommended: ***C3***	Further investigation ***FI***	Not verified: ***NV***	Limitation: ***Lim***	Not applicable: ***N/A***

DB ref. DB1 | DB Location. WELDING AREA

Item No.	Description	Outcome
1.0	**CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)**	
1.1	Adequacy of working space / accessibility to consumer unit / distribution board [132.12; 513.1]	Pass
1.2	Security of fixing [134.1.1]	Pass
1.3	Condition of insulation of live parts [416.1]	Pass
1.4	Adequacy / security of barriers [416.2]	N/A
1.5	Condition of enclosure[s] in terms of IP rating etc [416.2]	N/A
1.6	Condition of enclosure[s] in terms of fire rating etc [421.1.201; 526.5]	Pass
1.7	Enclosure not damaged/deteriorated so as to impair safety [[621.2 [iii]]	Pass
1.8	Presence of isolator [537.1.2; 537.1.4]	Pass
1.9	Operation of isolator [functional check] [612.13.2]	Pass
1.10	Correct identification of circuit details and protective devices [514.8.1; 514.9.1]	Pass
1.11	Adequacy of protective devices; type and rated current for fault protection [Section 411]	Pass
1.12	Manual operation of circuit-breakers and RCDs to prove disconnection [612.13.2]	Pass
1.13	RCD[s] provided for fault protection - includes RCBO[s] [411.4.9; 411.5.2; 531.2]	Pass
1.14	RCD[s] provided for protection against fire [422.3.9; 705.422.7]	Pass
1.15	Presence of RCD quarterly test notice at or near consumer unit / distribution board [514.12.2]	Pass
1.16	Presence of circuit schedule at or near the consumer unit / distribution board [514.9.1]	N/A
1.17	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit / distribution board [514.14]	Pass
1.18	Presence of alternative supply warning notice at or near consumer unit / distribution board [514.15]	N/A
1.19	Presence of next inspection recommendation label [514.12.1]	Pass
1.20	Presence of other required labelling [Please specify] [Section 514]	N/A
1.21	Examination of protective device[s] and base[s]; correct type and rating [no signs of unacceptable thermal damage, arcing and overheating] [421.1.3]	Pass
1.22	Single-pole switching or protective devices in line conductors only [132.14.1; 530.3.2]	Pass
1.23	Protection against mechanical damage where cables enter consumer unit / distribution board [522.8.1; 522.8.11]	Pass
1.24	Protection against electromagnetic effects where cables enter consumer unit / distribution board / enclosures [521.5.1]	N/A
1.25	Confirmation of indication that the SPDs functional [534.2.8]	Pass
1.26	Confirmation that ALL conductor connections including busbars, are correctly located in terminals and are tight and secure [526.1]	Pass
2.0	**CIRCUITS**	
2.1	Identification of conductors [514.3.1]	Pass
2.2	Cables correctly supported throughout their run [522.8.5; 521.11.201]	Lim
2.3	Condition of insulation of live parts [416.1]	Lim
2.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking [521.10.1] To include the integrity of conduit and trunking systems [metallic and plastic]	Lim

Inspector's Name T KILSBY

Date 06/05/2016

Signature

T KILSBY

This form is based on the requirements of Appendix 6 of BS 7671

Electrical Installation Condition Report Distribution Board Inspection Schedule for Industrial / Commercial Premises

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NA/ 2 6 9 6 7 0 0 0 0 1 0 2 7

Outcomes

Acceptable condition: ***Pass***	Unacceptable condition: *State* ***C1*** or ***C2***	Improvement recommended: ***C3***	Further investigation ***FI***	Not verified: ***NV***	Limitation: ***Lim***	Not applicable: ***N/A***

Item No.	DB ref. DB1 / Description	DB Location. WELDING AREA	Outcome
2.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of the installation [Section 523]		Pass
2.6	Adequacy of protective devices; type and rated current for fault protection [411.3]		Pass
2.7	Presence and adequacy of circuit protective conductors [411.3.1.1; 543.1]		Pass
2.8	Co-ordination between conductors and overload protective devices [433.1; 533.2.1]		Pass
2.9	Wiring system[s] appropriate for the type and nature of the installation and external influences [Section 522]		N/A
2.10	Concealed cables installed in prescribed zones [See Section D. extent and limitations] [522.6.202]		Lim
2.11	Cables concealed under floors, above ceilings or in walls / partitions, adequately protected against damage. [See section D, Extent and limitations] [522.6.204]		Lim
2.12	**Provision of additional protection by RCD not exceeding 30mA:**		
2.12.1	for all socket-outlets of rating 20 A or less unless exempt [Regulation 411.3.3]		N/A
2.12.2	for supply to mobile equipment not exceeding 32 A rating for use outdoors [411.3.3]		N/A
2.12.3	for cables concealed in walls / partitions at a depth of less than 50mm [522.6.202; 522.6.203]		Pass
2.12.4	for cables concealed in walls / partitions containing metal parts regardless of depth [522.6.203]		Pass
2.13	Provision of fire barriers, sealing arrangements and protection against thermal effects [Section 527]		Lim
2.14	Band II Cables segregated / separated from Band I cables [528.1]		Lim
2.15	Cables segregated / separated from communications cabling [528.2]		Lim
2.16	Cables segregated / separated from non-electrical services [528.3]		Lim
2.17	**Termination of cables at enclosures – indicate extent of sampling in Section D of the report [Section 526]**		
2.17.1	Connections soundly made and under no undue strain [526.6]		Pass
2.17.2	No basic insulation of a conductor visible outside enclosure [526.8]		Pass
2.17.3	Connections of live conductors adequately enclosed [526.5]		Pass
2.17.4	Adequately connected at point of entry to enclosure [glands, bushes etc…] [522.8.5]		Pass
2.18	Condition of accessories including socket-outlets, switches and joint boxes [621.2 [iii]]		Lim
2.19	Suitability of accessories for external influences [512.2]		N/A
2.20	Adequacy of working space / accessibility to equipment [132.12; 513.1]		Pass
2.21	Single-pole switching or protective devices in line conductors only [132.14.1; 530.3.2]		Pass
3.0	**ISOLATION AND SWITCHING**		
3.1	**Isolators [537.2]**		
3.1.1	Presence and condition of appropriate devices [537.2.2]		Pass
3.1.2	Acceptable location – state if local or remote from equipment in question [537.2.1.5]		N/A
3.1.3	Capable of being secured in the OFF position [537.2.1.2]		Pass
3.1.4	Correct operation verified [612.13.2]		Pass
3.1.5	Clearly identified by position and /or durable marking[s] [537.2.2.6]		Pass
3.1.6	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]		N/A
3.2	**Switching off for mechanical maintenance [537.3]**		
3.2.1	Presence and condition of appropriate devices [537.3.1.1]		N/A
3.2.2	Acceptable location – state if local or remote from equipment in question [537.3.2.4]		N/A
3.2.3	Capable of being secured in the OFF position [537.3.2.3]		N/A
3.2.4	Correct operation verified [612.13.2]		N/A

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Inspector's Name	T KILSBY
Date	06/05/2016

Signature: T KILSBY

This form is based on the requirements of Appendix 6 of BS 7671

Electrical Installation Condition Report Distribution Board Inspection Schedule for Industrial / Commercial Premises

Requirements for Electrical Installations – BS 7671: 2008 incorporating Amendment No.3,2015 [IET Wiring Regulations 17th Edition] Only for the reporting on the condition of an existing installation.

NA/ 2 6 9 6 7 0 0 0 0 1 0 2 7

Outcomes

Acceptable condition: ***Pass***	Unacceptable condition: *State* ***C1*** or ***C2***	Improvement recommended: ***C3***	Further investigation ***FI***	Not verified: ***NV***	Limitation: ***Lim***	Not applicable: ***N/A***

Item No.	DB ref. DB1 / Description	DB Location. WELDING AREA	Outcome
3.2.5	Clearly identified by position and /or durable marking[s] [537.3.2.4]		N/A
3.3	**Emergency switching / stopping [537.4]**		
3.3.1	Presence and condition of appropriate devices [537.4.1.1]		N/A
3.3.2	Readily accessible for operation where danger might occur [537.4.2.5]		N/A
3.3.3	Correct operation verified [537.4.2.6]		N/A
3.3.4	Clearly identified by position and /or durable marking[s] [537.4.2.7]		N/A
3.4	**Functional switching [537.5]**		
3.4.1	Presence and condition of appropriate devices [537.5.1.1]		Pass
3.4.2	Correct operation verified [537.5.1.3, 537.5.2.2]		Pass
4.0	**CURRENT-USING EQUIPMENT [PERMANENTLY CONNECTED]**		
4.1	Condition of equipment in terms of IP rating etc [416.2]		N/A
4.2	Equipment does not constitute a fire hazard [Section 421]		Pass
4.3	Enclosure not damaged/deteriorated so as to impair safety [621.2 [iii]]		Pass
4.4	Suitability for the environment and external influences [512.2]		N/A
4.5	Security of fixing [134.1.1]		Pass
4.6	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]		C3
4.7	**Recessed luminaires [downlighters]**		
4.7.1	Correct type of lamps fitted		Pass
4.7.2	Installed to minimise build-up of heat by use of “fire rated” fittings, insulation displacement box [421.1.2]		N/A
4.7.3	No signs of overheating to surrounding building fabric [559.4.1]		N/A
4.7.4	No signs of overheating to conductors / terminations [526.1]		Pass
5.0	**SPECIAL LOCATIONS – PART 7s**		
5.1	List special locations present, if any. List the results of particular inspections applied – a separate page is required for each location		

Schedule of Tests

Results to be recorded on Schedule of Test Results

(insert Yes or N/A)

Yes	External earth loop Impedance, Ze	Yes	Insulation Resistance between Live conductors
N/A	Installation earth electrode	Yes	Insulation Resistance between Live conductors & Earth Polarity (Prior to energisation)
Yes	Prospective fault current lpf	Yes	Polarity (prior to energisation)
Yes	Continuity of Earth Conductors	Yes	Polarity (after energisation) including phase sequence
Yes	Continuity of Circuit Protective Conductors	Yes	Earth fault loop impedance
Yes	Continuity of ring final conductors	Yes	RCDs / RCBOs including discrimination
N/A	Continuity of Protective Bonding Conductors	Yes	Functional testing of devices.
Yes	Volt drop verified		

Inspector’s Name T KILSBY

Date 06/05/2016

Signature T KILSBY

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