Ministry of Defence

Secretariat
St George's House
Defence Infrastructure Organisation
DMS Whittington
Lichfield, Staffordshire
WS14 9PY

E-mail: diosec-parli@mod.gov.uk
www.gov.uk/DIO

[redacted]

Ref. FOI 2022/09783

13 September 2022

Dear [redacted]

Thank you for your email of 21 August 2022 requesting the following information:

> *"This is an FOI request for a copy of the Electrical Breach Notice issued regarding Building 301 at MOD Wethersfield in November 2021 and any associated test reports or emails regarding the closure of the building as a result of the electrical fault.*
>
> *These can be supplied as scanned copies by email.*
> *If no such breach notice or test reports on building 301 in November exist then confirmation of that is also requested.*
>
> *I would very much appreciate your guidance under Section 16 of the FOIA (Advice and Assistance) in relation to this matter."*

I am treating your correspondence as a request for information under the Freedom of Information Act 2000 (FOIA).

A search for the information has now been completed within the Ministry of Defence (MOD) and I can confirm that all the information in scope of your request is held.

The information you have requested can be found at Annex A and Annex B, however, I can advise that some of the information in scope of your request falls entirely within the scope of the exemption provided for at Sections 40 (Personal Data) of the FOIA, and has been redacted.

If you have any queries regarding the content of this letter, please contact this office in the first instance.

If you wish to complain about the handling of your request, or the content of this response, you can request an independent internal review by contacting the Information Rights Compliance team, Ground Floor, MOD Main Building, Whitehall, SW1A 2HB (e-mail CIO-FOI-IR@mod.gov.uk). Please note that any request for an internal review should be made in writing within 40 working days of the date of this response.

If you remain dissatisfied following an internal review, you may raise your complaint directly to the Information Commissioner under the provisions of Section 50 of the Freedom of Information Act. Please note that the Information Commissioner will not normally investigate your case until the

MOD internal review process has been completed. The Information Commissioner can be contacted at: Information Commissioner's Office, Wycliffe House, Water Lane, Wilmslow, Cheshire, SK9 5AF. Further details of the role and powers of the Information Commissioner can be found on the Commissioner's website at https://ico.org.uk/.

Yours sincerely

DIO Secretariat

ANNEX A

FR229 Statutory Compliance Breach Letter

Head of Establishment
MDP Wethersfield

Amey
Building 346
MDP Wethersfield
Essex
CM7 4AZ

Date: 16 November 2021

Tel: 01371 854132

Statutory and Mandatory Breach Letter Serial No: 161121/15960

Reference A: BUILDING 301 MDP WETHERSFIELD

Reference B: HFMLVST-122-5Y - 5Y TESTING OF OUTGOING CABLES FROM LV FEEDER PILLAR – STATUTORY ELECTRICAL TEST. JOB PACK 0609-2394

Dear [redacted]

The above task has been carried out and a cable insulation fault has been identified which requires us to leave the power isolated until this breach letter is responded to with a) a signature on this letter accepting the risk associated with the re-instatement of the supply or b) an agreement between parties for a delayed re-instatement awaiting remedial actions.

An Early Warning 15960 has been raised.

As defined in Booklet 3 Module A para 1.3 and Module C para 2.2.1 Amey are to keep the Affected Property compliant with all statutory requirements. The Hard FM Task – task shown above cannot be completed due to the reason shown above which means Amey are unable to comply with this requirement.

This letter is a means of informing the Head of Establishment that as a result of failing to carry out the task the above named asset is therefore classed as non-compliant under the terms of the Contract.

Should failure of the electrical infrastructure occur, resulting in a notifiable incident as defined by the Reporting of Injuries, Diseases and Dangerous Occurrences Regulations (RIDDOR), then as Head of Establishment you may become answerable to any subsequent Health and Safety Executive inquiry.

Our advice with regard to this equipment/Asset is as follows:

Our recommendation is to repair or replace the cable.

We would therefore request that you advise your requirement as a matter of urgency.

Yours sincerely,

[redacted]
Site Manager
MDP Wethersfield
Amey

Distribution:
Head of Establishment – Infra
Estate Facilities Manager
Copy uploaded to CEMAR against the EW

ANNEX B

NICEIC APPROVED CONTRACTOR

FACIT TESTING
SPECIALIST ELECTRICAL SERVICES

EICR\ 111681540

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor or Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZX

ELECTRICAL INSTALLATION CONDITION REPORT

A. DETAILS OF THE CLIENT

Client: DODD GROUP LTD

Address: THE OAKS
KIRBY BEDON
NORWICH
NORFOLK NR14 8RS

B. PURPOSE OF THE REPORT

This report must be used only for reporting on the condition of an existing installation.

Purpose for which this report is required: ELECTRICAL SAFETY AS REQUESTED BY THE CLIENT

C. DETAILS OF THE INSTALLATION

Occupier: MOD

Address: MDGPA WETHERSFIELD
DSS K FEEDER PILLAR
WETHERSFIELD
ESSEX CM7 4AZ

Description of premises:	Domestic	Commercial	Industrial
	NA	✓	NA

Other: MILTARY ESTABLISHMENT

Estimated age of the wiring system: 35-50 years

Evidence of alterations or additions: YES

If yes, estimated age: 20 years

Date of last inspection: 2012

Electrical Installation Certificate No or Previous EICR No: NV

Records of installation available: NO (651.1)

Records held by: NV

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

Extent of the electrical installation covered by this report:

TEST AND INSPECTION OF LV UNDERGROUND SUPPLIES FROM DSS K FEEDER PILLAR TO MAIN SWITCHES WITHIN ASSOCIATED BUILDINGS . TEST AND INSPECTION CARRIED OUT IN RELATION TO BS7671 AS AMENDED 2018 IN ASSOCIATION WITH JSP 375 AND DIO PRACTICIONER GUIDES. SEPERATE SCHEDULES PROVIDED WHEN MORE THAN ONE BUIDING IS SUPPLIED FROM A SINGLE CIRCUIT.

Agreed limitations including the reasons, if any, on the inspection and testing: (653.2)

TEST AND INSPECTION OF LV SUPPLIES ONLY . INSPECTION WHERE ACCESSIBLE . MAXIMUM MEASURED ZS WHERE IP2X PROTECTION IS IN PLACE OR BY CALCULATION AND CONFIRMED ON LOCAL CIRCUIT. ONLY ACCESSIBLE CONNECTIONS AND TERMINATIONS CHECKED FOR SECURITY. INSULATION RESISTANCE MEASUREMENT CARRIED OUT ON ENTIRE CIRCUIT WHERE MULTIPLE BUILDINGS ARE FED FROM A SINGLE WAY. INSULATION RESISTANCE LOWER LIMIT VALUES REFERENCE AGAINST LOWER LIMIT ACCEPTABLE BY AMEY A.E OF 0.1 M OHMS. CABLE TYPES MAY VARY AND MAY BE JOINTED UNDERGROUND.

Agreed with: [redacted] - AP ELECTRICAL - AMEY

Operational limitations including the reasons

EARTHING SYSTEM IS BELOW GROUND - NO INFORMATION AVAILABLE FOR LOCATION OF ELECTRODES , MATS OR TAPES.
Agreed with [redacted] - AP ELECTRICAL - AMEY

This inspection has been carried out in accordance with BS 7671:2018 (IET Wiring Regulations) as amended to ...2020... 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. Unless specifically agreed prior to inspection roof spaces will be inspected where accessible.

E. SUMMARY OF THE CONDITION OF THE INSTALLATION

General condition of the installation (in terms of electrical safety):

THE INSTALLATION IS IN FAIR CONDTION WITH /PVC/SWA CABLE INSTALLED UNDERGROUND, HOWEVER PARTS OF THE INSTALLATION ARE UNSATISFACTORY WITH DEFECTS PRESENT WHICH REQUIRE RECTIFICATION BEFORE A SATISFACTORY REPORT CAN BE ISSUED - SEE DEFECTS SECTION. CIRCUIT 1/2/- HAS BEEN ISOLATED DUE TO INSUFFICEINT INSULATION RESISTANCE.

Summary of the condition of the installation continued on additional pages? No ✓ Yes NA Specify page NA

Overall assessment of the installation: UNSATISFACTORY

An 'Unsatisfactory' assessment indicates that dangerous and/or potentially dangerous conditions have been identified

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ELECTRICAL INSTALLATION CONDITION REPORT

F. RECOMMENDATIONS

I/We recommend that this installation is further inspected and tested after an interval of not more than **5 YEARS**

provided that any items at L which have been attributed a Classification code C1 (danger present) are rectified and that any items which have been attributed a code C2 (potentially dangerous) or require further investigation are acted on or investigated respectively, as a matter of urgency. Items which have been attributed a Classification code C3 should be improved as soon as practicable (see L).

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 in page 1 (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 L) 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 judgment, the said installation was in **UNSATISFACTORY** condition (see L) at the time the inspection was carried out, and then it should be further inspected as recommended (see F)

Trading Title: **FACIT TESTING LIMITED**

Address:

BOUNDARY HOUSE
225 YARMOUTH ROAD
NORWICH
NORFOLK
NR7 OSW

Telephone Number: **01603 700995**

Email Address: **admin@facit-testing.co.uk**

Enrolment number (Essential Information): **503094-000**

Branch number: **N/A**

INSPECTION, TESTING AND ASSESSMENT BY:

Signature: [redacted]

Name (CAPITALS): [redacted]

Position: **QUALIFIED SUPERVISOR**

Date: **16/11//2021**

REPORT REVIEWED AND CONFIRMED BY:

Signature: [redacted]

(Registered Qualified Supervisor for the Approved Contractor at G)

Name (CAPITALS): [redacted]

Position: **MANAGING DIRECTOR**

Date: **12 December 2021**

NICEIC APPROVED CONTRACTOR

FACIT TESTING
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ELECTRICAL INSTALLATION CONDITION REPORT

H. SCHEDULES AND ADDITIONAL PAGES

Inspection Schedule: Page(s) No 4, 5

Additional pages, including additional scurce(s) data sheets: Page No(s) N/A

Schedule of Circuits for the Installation: Page No(s) N/A

Schedule of Test Results for the Installation: Page No(s) N/A

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

I. SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System Type(s)

TN-S	NA
TN-C-S	✓
TN-C	NA
TT	✓
IT	NA

Number and Type of Live Conductors

a.c.	✓	1-phase (3 wire)	NA
d.c.	NA	3-phase (4 wire)	✓
1-phase (2 wire)	NA	2-pole	NA
2-phase (3 wire)	NA	3-pole	NA
3-phase (3 wire)	NA		
		Other	NA

Nature of Supply Parameters

Nominal voltage(s) U [1]	400	Uo (V) [1]	230
Nominal frequency (Hz)[1]	50		
Prospective fault current, Ipf (kA) [2][3]	16.8		
External earth fault loop impedance, Ze (Ω)[3][4]	0.03		
Number of Sources	1		

Notes:
(1) by enquiry
(2) by enquiry or by measurement
(3) where more than one supply, record the higher or highest values
(4) by measurement

Characteristics of Primary Supply Overcurrent Protective Device(s)

BS(EN)	88
Type	JSU
Nominal current rating (A)	650
Short circuit capacity (kA)	80.0
Confirmation of supply polarity	✓ (✓)

J. PARTICULARS OF THE INSTALLATION AT THE ORIGIN

Means of Earthing

Distributer facility:	✓
Installation earth electrode:	✓

Details of Installation Earth Electrode (where applicable)

Type: (eg rod(s), tapes(s) etc)	LIM	Location:	LIM
Electrode resistance, R_A (Ω)	0.21	Method of measurement:	CT STAKELESS CLAMP METER

Main Switch or Circuit-Breaker
* (applicable only where an RCD is suitable and is used as a main circuit-breaker)

Type: BS(EN)	NV	Voltage Rating (V)	NV
Number of Poles	4	Rated current In (A)	800
Primary Supply Conductor Material	CU	Primary Supply Conductor CSA	240.0
RCD Operating Current (mA)*	NA	Fuse / Device rating / setting	LIM
RCD Operating Time (ms)*	NA	Rated Time Delay*	NA

Earthing and Protective Bonding Conductors

Earthing Conductor		Main Protective Bonding Conductors (to extraneous-conductive-parts)	
Conductor Material	CU	Conductor Material	NA
Conductor CSA (mm²)	70.0	Conductor CSA (mm²)	NA
Continuity Check (✓)	✓	Continuity Check (✓)	NA

Bonding of extraneous-conductive-parts (✓)
Continuity verified (✓)

Water Pipes	NA	Gas Pipes	NA
Oil Pipes	NA	Structural Steel	NA
Lightning protection	NA	Other Incoming	NA
Location of Bonding Services	NA		

K. OBSERVATIONS

Referring to the attached schedules of inspection and test results, and subject to the limitations in section D:

There are no items adversely affecting electrical safety

or

There are defects present as detailed in defects section ✓

Code C1	NONE
Code C2	12
Code C3	5
Category R defects	NONE

A full description of defect codes in section titled 'GUIDANCE FOR RECIPIENTS ON THE DEFECT CATEGORY CODES'

Date(s) of the inspection:

16/11//2021

Schedule of Items Inspected and Schedule of Items Tested:	Page No(s)	4	to	5	2
Schedule of Circuit Details/Test Results for the Installation:	Page No(s)	6	to	7	2
Schedule of Defects for the Installation:	Page No(s)	8	to	11	4
Supplementary Sheets	Page No(s)	12	to	12	1

This report is based on the model forms shown in Appendix 6 of BS 7671 : 2018

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ELECTRICAL INSTALLATION CONDITION REPORT

INSPECTION SCHEDULE FOR DISTRIBUTION BOARDS AND CIRCUITS

Item	Description	Outcome*	Location Reference
1.0	EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTION ONLY)		
1.1	Service Cable	LIM	
1.2	Service Head	LIM	
1.3	Earthing Arrangement	C3	SEE DEFECT
1.4	Meter tails - Distributor/Consumer	NA	
1.5	Metering equipment	NA	
1.6	Isolator (where present)	LIM	
2.0	PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES SUCH AS MICROGENERATORS (551.6; 551.7)	NA	
3.0	EARTHING / BONDING ARRANGEMENTS (411.3; Chap 54)		
3.1	Presence and condition of distributor's earthing arrangement (542.1.2.1; 542.1.2.2)	✓	
3.2	Presence and condition of earth electrode condition where applicable (542.1.2.3)	C3	SEE DEFECT
3.3	Provision of earthing/bonding labels at all appropriate locations (514.13.1)	C3	SEE DEFECT
3.4	Confirmation of earthing conductor size (542.3; 543.1.1)	✓	
3.5	Accessibility and condition of earthing conductor at MET (543.3.2)	✓	
3.6	Confirmation of main protective bonding conductor sizes (544.1)	NA	
3.7	Condition and accessibility of main protective bonding conductor connections. (543.3.2; 544.1.2)	NA	
3.8	Accessibility and condition of other protective bonding connections (543.3.1; 543.3.2)	NA	
4.0	CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)		
4.1	Adequacy of working space/accessibility to consumer unit/distribution board (132.12, 513.1)	✓	
4.2	Security of fixing (134.1.1)	✓	
4.3	Condition of enclosure(s) in terms of IP rating (416.2)	✓	
4.4	Condition of enclosure(s) in terms of fire rating etc (421.1.201; 526.5)	✓	
4.5	Enclosure not damaged/deteriorated so as to impair safety (651.2)	✓	
4.6	Presence of main linked switch (as required by 462.1.201)	✓	
4.7	Operation of main switch (functional check) (643.10)	✓	
4.8	Manual operation of circuit breakers & RCDs to prove disconnection. (643.10)	✓	
4.9	Correct identification of circuit details and protective devices. (514.8.1, 514.9.1)	C3	SEE DEFECT
4.10	Presence of RCD six-monthly test notice at or near the consumer unit / distribution board (514.12.2)	NA	
4.11	Presence of non standard (mixed) cable colour warning notice at or near consumer unit / distribution board. (514.14)	C3	SEE DEFECT
4.12	Presence of alternative supply warning notice at or near the consumer unit / distribution board (514.15)	NA	
4.13	Presence of other required labelling (please specify) (section 514)	C3	SEE DEFECT
4.14	Compatibility of protective device(s), bases and other components; correct type and rating (No signs of unacceptable thermal damage, arcing or overheating) (411.3.2; 411.4; 411.5; 411.6; Sections 432, 433) **Correct type of devices & components installed (536.4.203)**	✓	
4.15	Single-pole switching or protective devices in line conductor only (132.14.1; 530.3.3)	✓	
4.16	Protection against mechanical damage where cables enter consumer unit / distribution board (132.14.1; 522.8.1; 522.8.5; 522.8.11)	✓	
4.17	Protection against electromagnetic effects where cables enter consumer unit / distribution board / enclosures (521.5.1)	✓	
4.18	RCD(s) provided for fault protection - includes RCBOs (411.4.204; 411.5.2; 531.2)	NA	
4.19	RCD(s) provided for additional protection - includes RCBOs (411.3.3; 415.1)	NA	
4.20	Confirmation of indication that SPD is functional (651.4)	NA	
4.21	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)	LIM	
4.22	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)	NA	
4.23	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	NA	

† **All** boxes must be completed
✓ indicates **Acceptable Condition**
LIM indicates a **Limitation**
NA indicates **Not Applicable**

Unacceptable Conditions state **C1** or **C2**
Improvement Recommendation state **C3**
Further Investigation required state **FI**
(to determine whether danger or potential danger exists)

Outcome
Provide additional comment where appropriate on attached numbered sheets. **C1**, **C2** and **C3** coded items to be recorded in section F of the report.

NICEIC APPROVED CONTRACTOR

FACIT TESTING
SPECIALIST ELECTRICAL SERVICES

EICR\ 111681540

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ELECTRICAL INSTALLATION CONDITION REPORT

INSPECTION SCHEDULE FOR DISTRIBUTION BOARDS AND CIRCUITS

Item	Description	Outcome†	Location Reference
5.0	FINAL CIRCUITS		
5.1	Identification of conductors (514.3.1)	✓	
5.2	Cables correctly supported throughout their run (522.8.5 - 521.10.202)	LIM	
5.3	Condition of insulation of live parts (416.1)	C3	SEE DEFECT
5.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1) (to include the integrity of conduit and trunking)	✓	
5.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (section 523)	C2	SEE DEFECT
5.6	Co-ordination between conductors and overload protective devices (433.1, 533.2.1)	C2	SEE DEFECT
5.7	Adequacy of protective devices: type and rated current for fault protection (411.3)	C2	SEE DEFECT
5.8	Presence and adequacy of circuit protective conductors (411.3.1, section 543)	C2	SEE DEFECT
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (section 522)	C2	SEE DEFECT
5.10	Concealed cables installed in prescribed zones (see Section D. *Extent and limitations*) (522.6.202)	LIM	
5.11	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (see Section D. *Extent and limitations*) (522.6.204)	LIM	
5.12	Provision of additional protection by RCD not exceeding 30mA:		
	* For all socket outlets of rating 32A or less unless an exception is permitted (411.3.3)	NA	
	* For the supply of mobile equipment not exceeding 32A rating for use outdoors (411.3.3)	NA	
	* For cables concealed in walls at a depth of less than 50mm (522.6.202, 522.6.203)	NA	
	* For cables concealed in walls / partitions containing metal parts regardless of depth (522.6.203)	NA	
	* Final circuits supplying luminaires within domestic (household) premises (411.3.4)	NA	
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	LIM	
5.14	Band II cables segregated / separated from Band I cables (528.1)	✓	
5.15	Cables segregated / separated from communications cabling (528.2)	✓	
5.16	Cables segregated / separated from non-electrical services (528.3)	✓	
5.17	Termination of cables at enclosures - indicate extent of sampling in Section D of the report (Section 526)		
	* Connections soundly made and under no undue strain (526.6)	✓	
	* No basic insulations of a conductor visible outside an enclosure (526.8)	✓	
	* Connections of live conductors adequately enclosed (526.5)	C3	SEE DEFECT
	* Adequately connected at point of entry to enclosure *(glands, bushes etc.)* (522.8.5)	✓	
5.18	Condition of accessories including socket-outlets, switches and joint boxes (651.2 (v))	C2	SEE DEFECT
5.19	Suitability of accessories for external influences (512.2)	✓	
5.20	Adequacy of working space / accessibility to equipment (132.12; 513.1)	✓	
5.21	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)	✓	

6.0	LOCATION(S) CONTAINING A BATH OR SHOWER		
6.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30mA (701.411.3.3)	NA	
6.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	NA	
6.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)	NA	
6.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2018 (701.415.2)	NA	
6.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3m from zone 1 (701.512.3)	NA	
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	NA	
6.7	Suitability of accessories and control gear etc. for a particular zone (701.512.3)	NA	
6.8	Suitability of current-using equipment for particular position within the location (701.55)	NA	

7.0	OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS		
7.1	List all other special installations or locations present, if any. (Record separately the results of particular inspections applied.)	NA	

† All boxes must be completed
✓ indicates **Acceptable Condition**
LIM indicates a **Limitation**
NA indicates **Not Applicable**

Unacceptable Conditions state **C1** or **C2**
Improvement Recommendation state **C3**
Further Investigation required state **FI**
(to determine whether danger or potential danger exists)

Outcome
Provide additional comment where appropriate on attached numbered sheets. **C1**, **C2** and **C3** coded items to be recorded in section F of the report.

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

EICR\ 111681540

Distribution Board Details

Facit Reference	DSS K	Distribution Board Location	DSS K COMPOUND	Distribution Board Fed From	VIA DSS K FP1 WAY 2				
Existing Reference	DSS K	Manufacturer Name and Reference	ABB NITRAN	Overcurrent Protective Device for the Distribution Circuit (Type/Rating)	88/630A				
No of phases	3	Nominal voltage (V)	400	Main RCD BS(EN)	NA	RCD No of Poles	NA	$I_{\Delta n}$ (mA)	NA

CIRCUIT DETAILS

Circuit number and phase	Circuit description	Wiring type	Reference method	No. Of points served	Circuit conductors: csa		Max disc time permitted by BS7671	Overcurrent protective device				RCD	BS
					Live (mm²)	cpc (mm²)	(s)	BS (EN)*	Type	Rating (A)	Short circuit capacity (kA)	Operating current $I_{\Delta n}$ (mA)	Max Zs Permitted by 7671 (Ω)
1/1/L1	} SUPPLY TO BUILDING 342 & 363 (POSIBLE OLD SEREL BOX NOT ACCESSIBLE)	G	D	2	240.00	ST	5.0	88	JSU	400	80.0	NA	0.09
1/1/L2	} SUPPLY TO BUILDING 342 & 363 (POSIBLE OLD SEREL BOX NOT ACCESSIBLE)	G	D	2	240.00	NA	5.0	88	JSU	400	80.0	NA	0.09
1/1/L3	} SUPPLY TO BUILDING 342 & 363 (POSIBLE OLD SEREL BOX NOT ACCESSIBLE)	G	D	2	240.00	NA	5.0	88	JSU	400	80.0	NA	0.09
1/2/L1	} SUPPLY TO BUILDING 301 & SEREL BOX STREET LIGHTING 381 CARPARK	G	D	2	240.00	ST	5.0	88	JSU	250	80.0	NA	0.15
1/2/L2	} SUPPLY TO BUILDING 301 & SEREL BOX STREET LIGHTING 381 CARPARK	G	D	2	240.00	NA	5.0	88	JSU	250	80.0	NA	0.15
1/2/L3	} SUPPLY TO BUILDING 301 & SEREL BOX STREET LIGHTING 381 CARPARK	G	D	2	240.00	NA	5.0	88	JSU	250	80.0	NA	0.15
1/3/L1	}SUPPLY TO BUILDING 346 STATION ADMIN	G	D	1	240.00	ST	5.0	88	JSU	160	80.0	NA	0.26
1/3/L2	}SUPPLY TO BUILDING 346 STATION ADMIN	G	D	1	240.00	NA	5.0	88	JSU	160	80.0	NA	0.26
1/3/L3	}SUPPLY TO BUILDING 346 STATION ADMIN	G	D	1	240.00	NA	5.0	88	JSU	100	80.0	NA	0.42
1/4/L1	} SUPPLY TO BUILDING 345,381	G	D	2	240.00	ST	5.0	88	JSU	200	80.0	NA	0.19
1/4/L2	} SUPPLY TO BUILDING 345,381	G	D	2	240.00	NA	5.0	88	JSU	200	80.0	NA	0.19
1/4/L3	} SUPPLY TO BUILDING 345,381	G	D	2	240.00	NA	5.0	88	JSU	200	80.0	NA	0.19
1/5/L1	} SUPPLY TO BUILDING 382 MILLBROOKS	G	D	1	150.00	ST	5.0	88	JSU	200	80.0	NA	0.19
1/5/L2	} SUPPLY TO BUILDING 382 MILLBROOKS	G	D	1	150.00	NA	5.0	88	JSU	200	80.0	NA	0.19
1/5/L3	} SUPPLY TO BUILDING 382 MILLBROOKS	G	D	1	150.00	NA	5.0	88	JSU	200	80.0	NA	0.19
1/6/L1	} SUPPLY TO BUILDING 325 (ALSO FED BY DSS HH VIA CHANGEOVER)	G	D	1	70.00	ST	5.0	88	JSU	100	80.0	NA	0.42
1/6/L2	} SUPPLY TO BUILDING 325 (ALSO FED BY DSS HH VIA CHANGEOVER)	G	D	1	70.00	NA	5.0	88	JSU	100	80.0	NA	0.42
1/6/L3	} SUPPLY TO BUILDING 325 (ALSO FED BY DSS HH VIA CHANGEOVER)	G	D	1	70.00	NA	5.0	88	JSU	100	80.0	NA	0.42
1/7/L1	} SUPPLY TO BUILDING 306 (ALSO FED BY DSS HH)	G	D	1	25.00	ST	5.0	88	JSU	100	80.0	NA	0.42
1/7/L2	} SUPPLY TO BUILDING 306 (ALSO FED BY DSS HH)	G	D	1	25.00	NA	5.0	88	JSU	100	80.0	NA	0.42
1/7/L3	} SUPPLY TO BUILDING 306 (ALSO FED BY DSS HH)	G	D	1	25.00	NA	5.0	88	JSU	100	80.0	NA	0.42
1/8/L1	} WAY NOT USED							88	JSU	315	80.0		
1/8/L2	} WAY NOT USED							88	JSU	315	80.0		
1/8/L3	} WAY NOT USED							88	JSU	315	80.0		

Cable Type Key:	A	B	C	D	E	F	G	H	O
	PVC/PVC	PVC CABLES IN METALIC CONDUIT	PVC CABLES IN NON-METALIC CONDUIT	PVC CABLES IN METALIC TRUNKING	PVC CABLES IN NON-METALIC TRUNKING	PVC/SWA CABLES	XLPE/SWA CABLES	MINERAL INSULATED CABLE	OTHER (AS STATED)

See table 4A2 of Appendix 4 of BS7671

Other Cable Type

For next page for Schedule of Test Results

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

NICEIC APPROVED CONTRACTOR

FACIT TESTING
SPECIALIST ELECTRICAL SERVICES

SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

EICR\ 111681540

Distribution Board Characteristics

Correct Supply Polarity Confirmed (✓)	✓	Z_{pf} (Ω)	0.02	Earth Fault loop impedance	FACIT 52	RCD	FACIT 52
Phase Sequence Confirmed (✓) if appropriate	✓	Ipf (kA)	19.00	Insulation Resistance	FACIT 52	Other	NA
Operating Times of Main RCD (if applicable)		At $I_{\Delta n}$ (mA)	NA	At 150mA (if applicable)	NA	Continuity	FACIT 52	Other	NA

TEST RESULTS

Circuit number and phase	Ring Final Circuit Continuity (Ω)			Continuity (Ω)		Insulation resistance (lower or lowest value)				Record	Polarity	Measured Zs	RCD Operating Times			AFDD
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$R_1 + R_2$ (ohms)	R_2 (Ohms)	Ins/Res test Voltage (V)	Live/Live (MΩ)	Live/Neutral (MΩ)	Live/Earth (MΩ)	Neutral/Earth (MΩ)	(✓)	(Ω)	at $I_{\Delta n}$ (ms)	at 5Δn (if applicable) (ms)	Test button operation (✓)	Manual AFDD test button operation (✓)
1/1/L1	NA	NA	NA	0.25	NA	500.00	0.35	0.40	0.20	0.35	✓	0.31	NA	NA	NA	NA
1/1/L2	NA	NA	NA	0.25	NA	500.00	0.38	0.36	0.30	NA	✓	0.31	NA	NA	NA	NA
1/1/L3	NA	NA	NA	0.30	NA	500.00	0.38	0.37	0.20	NA	✓	0.31	NA	NA	NA	NA
1/2/L1	NA	NA	NA	0.41	NA	500.00	0.02	0.02	0.02	0.02	✓	LIM	NA	NA	NA	NA
1/2/L2	NA	NA	NA	0.33	NA	500.00	0.02	0.02	0.02	NA	✓	LIM	NA	NA	NA	NA
1/2/L3	NA	NA	NA	0.41	NA	500.00	0.02	0.02	0.02	NA	✓	LIM	NA	NA	NA	NA
1/3/L1	NA	NA	NA	0.35	NA	500.00	0.45	0.49	0.41	0.49	✓	0.14	NA	NA	NA	NA
1/3/L2	NA	NA	NA	0.35	NA	500.00	0.38	0.58	0.46	NA	✓	0.14	NA	NA	NA	NA
1/3/L3	NA	NA	NA	0.35	NA	500.00	0.41	0.46	0.47	NA	✓	0.14	NA	NA	NA	NA
1/4/L1	NA	NA	NA	1.71	NA	500.00	1.2	1.5	1.8	1.9	✓	0.22	NA	NA	NA	NA
1/4/L2	NA	NA	NA	1.71	NA	500.00	1.3	1.6	1.3	NA	✓	0.22	NA	NA	NA	NA
1/4/L3	NA	NA	NA	1.72	NA	500.00	1.5	1.2	1.6	NA	✓	0.22	NA	NA	NA	NA
1/5/L1	NA	NA	NA	0.08	NA	500.00	>99.9	>99.9	>99.9	>99.9	✓	0.15	NA	NA	NA	NA
1/5/L2	NA	NA	NA	0.09	NA	500.00	>99.9	>99.9	>99.9	NA	✓	0.15	NA	NA	NA	NA
1/5/L3	NA	NA	NA	0.08	NA	500.00	>99.9	>99.9	>99.9	NA	✓	0.15	NA	NA	NA	NA
1/6/L1	NA	NA	NA	0.14	NA	500.00	2.1	2.5	2.6	2.3	✓	0.18	NA	NA	NA	NA
1/6/L2	NA	NA	NA	0.11	NA	500.00	2.3	2.4	2.5	NA	✓	0.16	NA	NA	NA	NA
1/6/L3	NA	NA	NA	0.12	NA	500.00	2	2.4	2	NA	✓	0.15	NA	NA	NA	NA
1/7/L1	NA	NA	NA	0.11	NA	500.00	>99.9	>99.9	>99.9	>99.9	✓	0.15	NA	NA	NA	NA
1/7/L2	NA	NA	NA	0.10	NA	500.00	>99.9	>99.9	>99.9	NA	✓	0.14	NA	NA	NA	NA
1/7/L3	NA	NA	NA	0.10	NA	500.00	>99.9	>99.9	>99.9	NA	✓	0.14	NA	NA	NA	NA
1/8/L1																
1/8/L2																
1/8/L3																

Date of Insp/Test: 16/11//2021

Name (Capitals): [redacted]

Position: QUALIFIED SUPERVISOR

See previous page for Schedule of Circuit Details

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

NICEIC APPROVED CONTRACTOR

FACIT TESTING
SPECIALIST ELECTRICAL SERVICES

EICR\ 111681540

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor or Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZX

L. SCHEDULE OF DEFECTS

Defect Number	Circuit Ref	Defect Description	Recommendation	Category	Insp by	Date	Rectified By	Date	Materials	Labour	Misc
1	1/1-	MAXIMUM PERMITTED ZS EXCEEDED AT BUILDING 342	FURTHER INVESTIGATION / REDUCE OVERCURRENT DEVICE RATING SUBJECT TO LOAD SURVEY	C2	DP	16/11//2021					
2	1/1/-	INSUFFICIENT OVERCURRENT PROTECTION FOR 70MM SWA CABLE - CURRENT IS LIMITED AT BUILDING 342	REDUCE OVERCURRENT PROTECTION RATING TO COMPLY WITH BS7671 - SUBJECT TO LOAD SURVEY	C2	DP	16/11//2021					
3	1/1/-	INSUFFICIENT OVERCURRENT PROTECTION FOR 70MM SWA CABLE - CURRENT IS LIMITED AT BUILDING 363	REDUCE OVERCURRENT PROTECTION RATING TO COMPLY WITH BS7671 - SUBJECT TO LOAD SURVEY	C2	DP	16/11//2021					
4	1/1/-	MAIN SWITCH FUSE AT BUILDING 363 HAS A DAMAGED SWITCH MECHNISM	REPLACE MAIN SWITCH FUSE 100A GLASGOW /MEM EXEL	C2	DP	16/11//2021					
5	1/1/-	MAXIMUM PERMITTED ZS EXCEEDED AT BUILDING 363	FURTHER INVESTIGATION / REDUCE OVERCURRENT DEVICE RATING SUBJECT TO LOAD SURVEY	C2	DP	16/11//2021					
6	1/2/-	MEASURED INSULATION RESISTANCE VALUE IS BELOW A.E PERMITTED MINIMUM - CABLE HAD PREVIOUSLY LOST THE L2 PHASE - FUSE RUPTURED - AFFECTS BUILDING 301 AND STREET	FURTHER INVESTIGATION REQUIRED - CIRCUIT LEFT OFF FUSES REMOVED AP- ALAN LANCASTER AWARE	C2	DP	16/11//2021					
7	1/3/-	INSUFFICIENT OVERCURRENT PROTECTION FOR 35 MM SWA CABLE - CURRENT IS LIMITED AT BUILDING 346	REDUCE OVERCURRENT PROTECTION RATING TO COMPLY WITH BS7671 - SUBJECT TO LOAD SURVEY	C2	DP	16/11//2021					
8	1/4/-	INSUFFICIENT OVERCURRENT PROTECTION FOR 35 MM SWA CABLE - CURRENT IS LIMITED AT BUILDING 345	REDUCE OVERCURRENT PROTECTION RATING TO COMPLY WITH BS7671 - SUBJECT TO LOAD SURVEY	C2	DP	16/11//2021					
9	1/4/-	INSUFFICIENT OVERCURRENT PROTECTION FOR 35 MM SWA CABLE - CURRENT IS LIMITED AT BUILDING 381	REDUCE OVERCURRENT PROTECTION RATING TO COMPLY WITH BS7671 - SUBJECT TO LOAD SURVEY	C2	DP	16/11//2021					

10	1/4/-	MAX PERMITTED ZS EXCEEDED ON SUPPLY TO BUIDLING 381	FURTHER INVESTIGATION / REDUCE OVERCURRENT DEVICE RATING SUBJECT TO LOAD SURVEY	C2	DP	16/11//2021					
11	1/4/-	MAX PERMITTED ZS EXCEEDED 80% ADJUSTED VALUE ON SUPPLY TO BUIDLING 345	FURTHER INVESTIGATION / REDUCE OVERCURRENT DEVICE RATING SUBJECT TO LOAD SURVEY	C2	DP	16/11//2021					
12	1/5/-	INSUFFIENT OVER CURRENT PROTECTION FOR 70MM SWA CABLE AT BUIDING 382 - NOT CURRENT LIMITED SUFFICIENTLY	REDUCE OVERCURRENT PROTECTION RATING TO COMPLY WITH BS7671 - SUBJECT TO LOAD SURVEY	C2	DP	16/11//2021					

DEFECTS SUMMARY

NOT RECTIFIED DEFECTS

Defect code	Number of defects	Budget Cost	Defect description (where applicable) †	
C1	0	0.00	No C1 defects present	✓
C2	12	0.00	Potentially dangerous. Urgent remedial action required	X
C3	5	0.00	Improvement recommended	X
Totals	17	£0.00	This is a budget cost for the rectification of all defects and is subject to a site survey to determine an accurate quotation	

Notes about outstanding defects

- Facit Testing are able to provide a quotation, however you are advised to obtain multiple quotes from other suitably qualified Electrical Contractors. Details of suitable contractors are available from http://www.niceic.com/
- Contact FACIT TESTING on 0845 130 8338 if you require any further information of assistance regarding these defects.
- The rate for remedials is calculated at £40.00 per hour plus VAT.

RECTIFIED DEFECTS

Defect code	Number of defects	Rectified cost	Defect description (where applicable) †
R	0	£0.00	

† Detailed description of defect categories are given in section at back of Report titled 'GUIDANCE FOR RECIPIENTS ON THE DEFECT CATEGORY CODES'

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CONDITION REPORT

Notes for the person producing the Report:

1 This Report should only be used for reporting on the condition of an existing electrical installation, and not for the replacement of a consumer unit/distribution board. An installation which was designed to an earlier edition of the Regulations and which does not fully comply with the current edition is not necessarily unsafe for continued use, or requires upgrading. Only damage, deterioration, defects, dangerous conditions and non-compliance with the requirements of the Regulations, which may give rise to danger, should be recorded.

2 The Report, normally compromising at least five pages, should include schedules of both the inspection and test results. Additional pages may be necessary for other than a simple installation and for the 'Guidance for recipients'. The number of each page should be indicated, together with the total number of pages involved.

3 The reason for producing this Report, such as change of occupancy or landlord's periodic maintenance, should be indentified in section B.

4 Those elements of the installation that are covered by the Report and those that are not should be identified in Section D (Extent and limitations). These aspects should have been agreed with the person ordering the report and other interested parties before the inspection and testing commenced. Any operational limitations, such as inability to gain access to parts of the installation or an item of equipment, should also be recorded in Section D.

5 The maximum prospective value of fault current (Ipf) recorded should be the greater of either the prospective value of short-circuit current or the prospective value of earth fault current.

6 Where an installation has an alternative source of supply a further schedule of supply characteristics and earthing arrangements based upon Section 1 of this Report should be provided.

7 A summary of the condition of the installation in terms of safety should be clearly stated in Section E. Observations, if any, should be categorised in Section K using the coding C1 to C3 as appropriate. Any observation given a code C1 or C2 item, this should be recorded within Section K, given the code F1 and marked as unsatisfactory.

8 Wherever practicable, **items classified as 'Danger present' (C1) should be made safe on discovery.** Where this is not possible the owner or user should be given written notification as a matter of urgency.

9 Where an observation requires further investigation (FI) because the inspection has revealed an apparent deficiency which could not, owing to the extent or limitations of the inspection, be fully identified and further investigation may reveal a code C1 or C2 item, this should be recorded within Section K, given the code FI and marked as unsatisfactory in Section E.

10 If the space available for observations in Section K is insufficient, additional pages should be provided as necessary.

11 The date by which the next Electrical Installation Condition Report is recommended should be given in Section F. The interval between inspections should take into account the type and usage of the installation and its overall condition.

12 Any deficiencies with intake equipment should be reported to the person ordering the work.

For further information about electrical safety and how NICEIC can help you, visit **www.niceic.com**

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 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 incorporated a residual current device (RCD) there should be a notice at or near the device stating that it should be tested six-monthly. **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 (licensing authority, insurance company, mortgage provider and the like) before the inspection was carried out.

6 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 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 investigate (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 full 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

CONDITION REPORT INSPECTION SCHEDULE

GUIDANCE FOR THE INSPECTOR

1 Section 1.0. Where inadequacies in the intake equipment are encountered the inspector should advise the person ordering the work to inform the appropriate authorities

2 Older installations designed prior to BS 7671:2018 may not have been provided with RCDs for additional protection. The absence of such protection should as a minimum be given a code C3 classification (item 5.12).

3 The schedule is not exhaustive.

4 Numbers in brackets are regulation references to specified requirements.