
U Certify Ltd

U Certify Electrics Pro



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References

Requirements for Electrical Installations IEE Wiring Regulations Seventeenth Edition BS7671:2008(2015)

U Certify Ltd reserve the right to change specifications without notice

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Overview

About the software

U Certify Electrics Pro is a software program for inputting data and printing Electrical & Fire alarm Certificates which are based on the model forms within BS7671, BS5266 Part 2 and BS5839 Part 1 & Part 6.

U Certify Electrics Pro is designed to assist users improve productivity, save time and effort and produce improved presentation of certificates as well as provide useful features.

This manual covers U Certify Electrics Pro version 1.0.1.4 or later.

Features

- Certificates displayed on screen in U Certify Electrics Pro format for easy completion.
- Smart input of information by the software, user defaults have been set.
- Smart numbering of certificates.
- Quick selection of client information, contractor and addresses.
- Automatic and mouse scrolling support.
- Quick selection of test instruments.
- Smart learning / suggestions for observations.
- Smart / automatic placing of observations in section K of the electrical installation condition report.
- Smart referencing.
- Quick auto fill of schedule of inspections.
- Quick schedule of test results defaults.
- Easy attachments of pictures.
- Easy jump to page option.
- Key Bindings to improve productivity.
- Digital Signatures and automatic placing of signatures.
- Add your company logo to certificates.
- Customising colours of certificates.
- Import certificates from other U Certify Electrics Pro Users / Companies.
- Export certificates to other U Certify Electrics Pro Users / Companies.
- Generate Distribution Board schedules from the schedule of test results. (excluding results)
- Generates PDF certificates with attachments.
- Email PDF Certificates (file size restrictions may apply)

System Requirements

Operating system

U Certify Electrics Pro Requires a PC or Laptop running one of the following Operating Systems

- Microsoft Windows 7 & 10 or later (32 & 64 bit versions)
- Apple Mac OSX using windows Parallels or running a windows based operating system stated above.

U Certify Electrics Pro will not work on earlier versions of Microsoft Windows such as Windows 95 , NT4, 98, Windows ME, Windows 8 or 8.1. It may work with Windows 2000, Windows Server 2008, Windows XP and Windows Vista, but we do not officially support these operating systems.

This manual only covers the Windows version.

Hardware Requirements

U Certify Electrics Pro requires a PC or Laptop that meets or exceeds the following specifications:

- At Least 1.44 GHz CPU
- At least 2GB of system RAM
- Approximately 500Mb of free Hard Disk Space
- An Internet connection for installation, license checking and updates. (Required to be connect minimum every 21 days.)

Screen Resolution

U Certify Electrics Pro recommends a minimum display resolution of at least 1024 x 768 pixels. A screen resolution of 1280 x 1024 pixels or higher is recommended.

U Certify Ltd custom certificates.

U Certify Electrics Pro convert the following certificates in our own format to PDF which can then be printed onto blank paper:

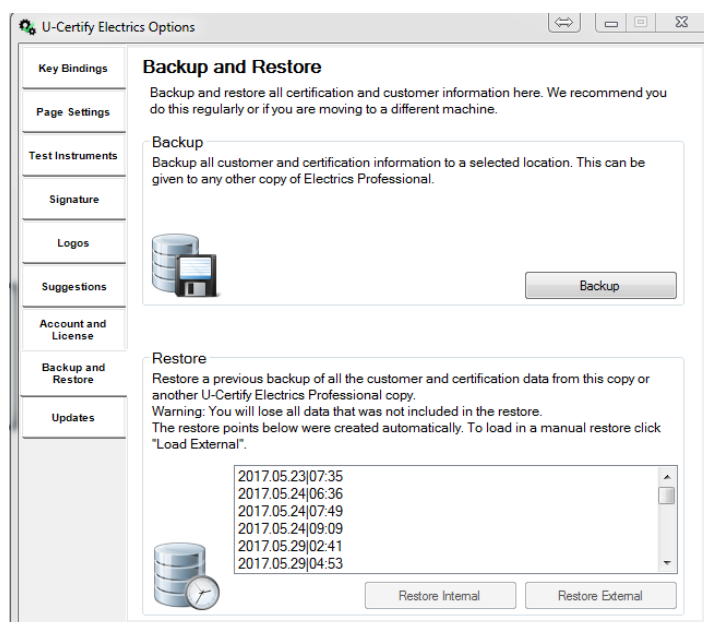
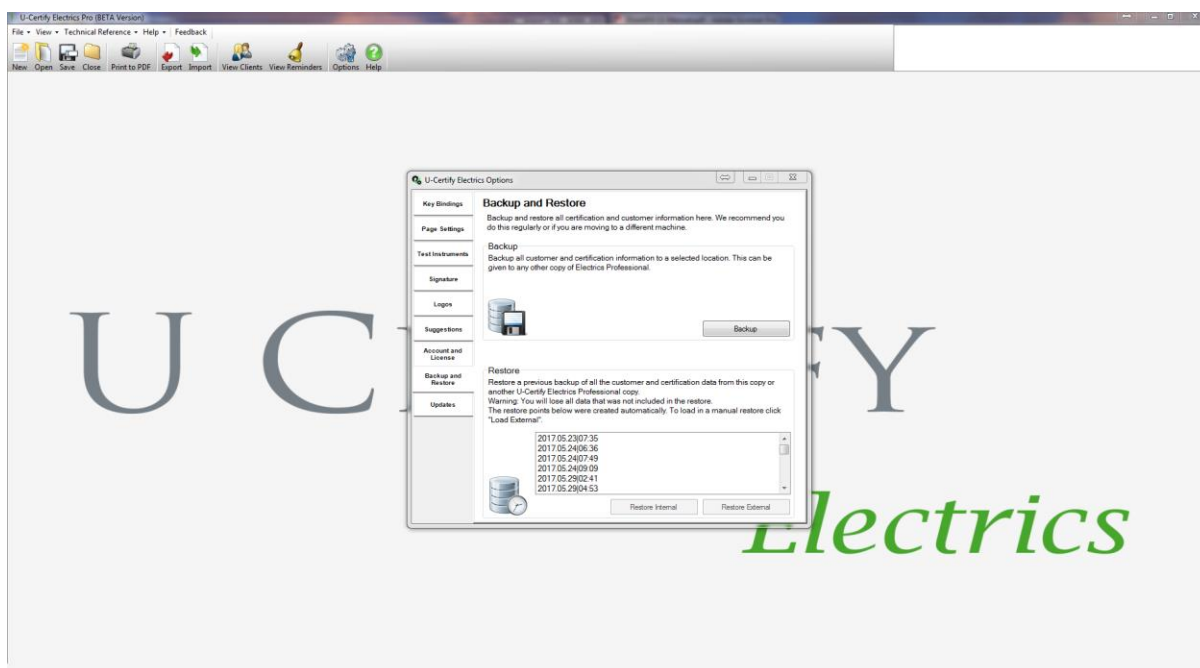
- Electrical Installation Condition Report.
- Minor Electrical Works Certificate.
- Electrical Installation Certificate.
- Electrical Danger Notice.
- Fire Alarm Log Book.
- Fire Alarm H1. Design Certificate.
- Fire Alarm H2. Installation Certificate.
- Fire Alarm H3. Commissioning Certificate.
- Fire Alarm H4. Acceptance Certificate.
- Fire Alarm H5. Verification Certificate.
- Fire Alarm H6. Inspection / Service Certificate.
- Fire Alarm H7. Modification Certificate.
- Fire Alarm E1. Design Certificate for Grade A systems – Annex E.
- Fire Alarm E2. Installation Certificate.
- Fire Alarm E3. Commissioning Certificate.
- Fire Alarm E4. Acceptance Certificate.
- Fire Alarm Certificates for Grade B, C, D, E & F Systems.
- Emergency Lights H1. Completion Certificate.
- Emergency Lights H2. Design Certificate.
- Emergency Lights H3. Installation Certificate.
- Emergency Lights H4. Verification Certificate.
- Emergency Lights Annex I Completion Certificate of Small New Installations.
- Emergency Lights Annex K Verification Certificate of Existing Installations.
- Emergency Lights Existing Verification Check List
- Emergency Lights Inspection & Testing Certificate.
- Emergency Lights Asset Register
- Job / Service Sheets

Backing Up Data

Backup and restore all certification and customer information, We Recommend you do this regularly or if you are moving your licensed software to another machine.

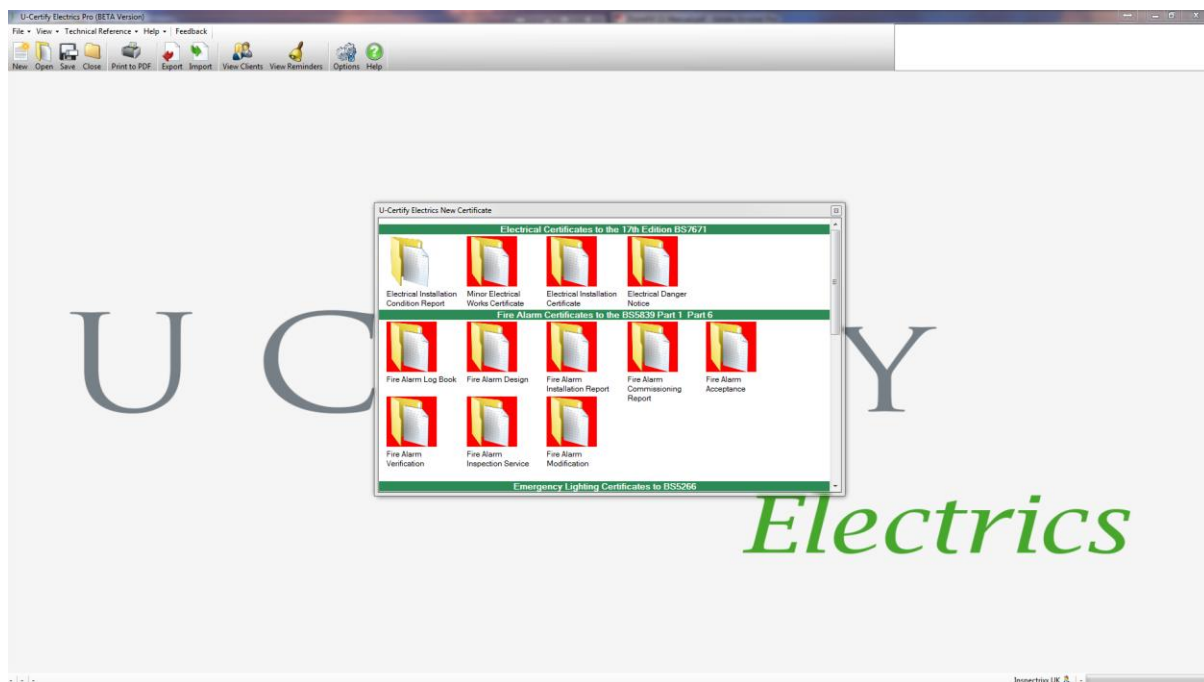
To create a backup, simply click **Options**, click **Backup and restore** and click **Backup**.

To restore a backup click **Restore Internal** or **Restore External**, depending on where you have stored you back up file.



Creating a Certificate.

To create a new certificate simply click **New** which is located in the top left corner and a pop up menu will appear. Now that the pop up menu is visible simply **select** the certificate you would like to create.



Imputing Data into Certificates

Inputting Data is a simple process. Once you have the desired certificate open and ready for completion simply type into the editable boxes. In Certain parts of the certificate you will find drop down menu's with a variety of options available.

ELECTRICAL INSTALLATION CONDITION REPORT

Double click to replace this logo with your company logo

Certificate No. 12345678 Inspected by: ENGINEER

SECTION A: DETAILS OF THE CLIENT/PERSON ORDERING THE REPORT

Name: EXAMPLE
Address: EXAMPLE ADDRESS

SECTION B: REASON FOR PRODUCING THIS REPORT

Electrical installation condition report requested by client
Date(s) on which inspection and testing was carried out: 13 June 2017

SECTION C: DETAILS OF THE INSTALLATION THAT IS THE SUBJECT OF THIS REPORT

Occupier: EXAMPLE OCCUPIER Address: EXAMPLE SITE ADDRESS

Details of premises: Industrial Address details: N/A
Estimated age of wiring: >10 Years
Evidence of additions/alterations: Yes Yes, estimate age: >10 Years
Installations record available? (Regulation 621.1): Yes Date of last inspection: 13 June 2017

SECTION D: EXTENT AND LIMITATIONS OF INSPECTING AND TESTING

Extent of electrical installation covered by this report:
Visual inspection of supplies terminal equipment, inspection & test of main protective & supplementary bonding & final circuits. Due to limitation of access, lighting circuits may be tested at the switch. Supplies not provided by a distributor (e.g. photovoltaic) are excluded.

Agreed limitations including the reasons (Regulation 634.2): Testing to be carried out in accordance with GN3 guidelines.
No disturbance of building fabric, fittings or sealed covers. No testing of boiler controls & circuits, emergency lighting, fire & intruder alarms and portable appliances, L.L.R. test where practicable.

Operational Limitations including the reasons: Agreed with: Client
The inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS 7671: 2008 (IET Wiring Regulations) amended to April 2017. It should be noted that 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. Inspection of accessible roof space housing other electrical equipment only if practicable.

SECTION E: SUMMARY OF THE CONDITION OF THE INSTALLATION

General condition of the installation (in terms of safety):
On completion of any remedial works, the installation would be generally satisfactory.

Overall assessment of the installation in terms of its suitability for continued use: **Satisfactory**

*An unsatisfactory assessment indicates that dangerous (code C1) and/or potentially dangerous (code C2) and/or further investigation has been deemed required (code FI) conditions have been identified.

CDR 1 Un-named Certificate

ELECTRICAL INSTALLATION CONDITION REPORT

Double click to replace this logo with your company logo

Certificate No. 12345678 Inspected by: ENGINEER

SECTION A: DETAILS OF THE CLIENT/PERSON ORDERING THE REPORT

Name: EXAMPLE
Address: EXAMPLE ADDRESS

SECTION B: REASON FOR PRODUCING THIS REPORT

Electrical installation condition report requested by client
Date(s) on which inspection and testing was carried out: 13 June 2017

SECTION C: DETAILS OF THE INSTALLATION THAT IS THE SUBJECT OF THIS REPORT

Occupier: EXAMPLE OCCUPIER Address: EXAMPLE SITE ADDRESS

Details of premises: Domestic Address details: N/A
Estimated age of wiring: Commercial
Evidence of additions/alterations: Education
Installations record available? (Regulation 621.1): Other (specify) Date of last inspection: 13 June 2017

SECTION D: EXTENT AND LIMITATIONS OF INSPECTING AND TESTING

Extent of electrical installation covered by this report:
Visual inspection of supplies terminal equipment, inspection & test of main protective & supplementary bonding & final circuits. Due to limitation of access, lighting circuits may be tested at the switch. Supplies not provided by a distributor (e.g. photovoltaic) are excluded.

Agreed limitations including the reasons (Regulation 634.2): Testing to be carried out in accordance with GN3 guidelines.
No disturbance of building fabric, fittings or sealed covers. No testing of boiler controls & circuits, emergency lighting, fire & intruder alarms and portable appliances, L.L.R. test where practicable.

Operational Limitations including the reasons: Agreed with: Client
The inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS 7671: 2008 (IET Wiring Regulations) amended to April 2017. It should be noted that 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. Inspection of accessible roof space housing other electrical equipment only if practicable.

SECTION E: SUMMARY OF THE CONDITION OF THE INSTALLATION

General condition of the installation (in terms of safety):
On completion of any remedial works, the installation would be generally satisfactory.

Overall assessment of the installation in terms of its suitability for continued use: **Satisfactory**

*An unsatisfactory assessment indicates that dangerous (code C1) and/or potentially dangerous (code C2) and/or further investigation has been deemed required (code FI) conditions have been identified.

CDR 1 Un-named Certificate

Schedule of Inspections

The quickest way to fill in all boxes in to select **Auto-Fill** and fill in the pop box and simply click **ok**.

Please note if the following combinations are used whilst typing in the editable boxes or Auto-fill, they will be automatically placed into section K Observations: **C1, C2, C3, FI**

If the word **LIM** is used, this item numbers will appear automatically on Page 1 of the Limitations

ELECTRICAL INSTALLATION CONDITION REPORT

Certificate No. 12345678 Inspected by: ENGINEER

Occupier: EXAMPLE OCCUPIER

Outcomes: Acceptable condition **OK** Unacceptable condition **C1 or C2** Further investigation **F1** Not verified **NV** Limitation **LIM** Not applicable **N/A**

Item No.	Description	Outcome
1.0	DISTRIBUTORS / SUPPLY INTAKE EQUIPMENT	Auto-Fill
1.1	Condition of service cable	
1.2	Condition of service head	
1.3	Condition of distributor's earthing arrangement	
1.4	Condition of meter tails - Distributor/Consumer	
1.5	Condition of metering equipment	
1.6	Condition of isolator (where present)	
2.0	PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES e.g. MICROGENERATORS (S51.6, S51.7)	
3.0	EARTHING / BONDING ARRANGEMENTS (411.3, Chap 54)	
3.1	Presence and condition of distributor's earthing arrangement (S42.1.2, S42.1.2.2)	
3.2	Presence and condition of earth electrode connection where applicable (S42.1.2.3)	
3.3	Presence of earthing / bonding labels at all appropriate locations (S14.13)	
3.4	Confirmation of earthing conductor size (S42.3, S43.1.1)	
3.5	Accessibility and condition of earthing conductor at MET (S43.3.2)	
3.6	Confirmation of main protective bonding conductor size (S44.1.1) isolator (where present)	
3.7	Condition and accessibility of main protective bonding conductor connections (S43.3.2, S44.1.2)	
3.8	Accessibility and condition of all protective bonding connections (S43.3.2)	
4.0	CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)	
4.1	Adequacy of working space / accessibility to consumer unit / distribution board (S132.12, S13.1)	
4.2	Security of fitting (S14.1.1)	
4.3	Condition of enclosure(s) in terms of IP rating etc (S16.2)	
4.4	Condition of enclosure(s) in terms of the rating etc (S21.201, S26.5)	
4.5	Enclosure not damaged / deteriorated or so as to impair safety (S21.206)	
4.6	Presence of main linked switch (as required by S37.1.4)	
4.7	Operation of main switch (functional check) (S12.13.2)	
4.8	Manual operation of circuit breakers and RCBOs to prove disconnection (S12.13.2)	
4.9	Correct identification of circuit details and protective devices (S14.8.1, S14.8.1.1)	

Inspector: UK

ELECTRICAL INSTALLATION CONDITION REPORT

Certificate No. 12345678 Inspected by: ENGINEER

U CERTIFY
Electrics

Name: EXAMPLE
Address: EXAMPLE ADDRESS

SECTION B: REASON FOR PRODUCING THIS REPORT
Electrical installation condition report requested by client.
Date(s) on which inspection and testing was carried out: 13 June 2017

SECTION C: DETAILS OF THE INSTALLATION THAT IS THE SUBJECT OF THIS REPORT
Occupier: EXAMPLE OCCUPIER Address: EXAMPLE SITE ADDRESS
Details of premises: Industrial Address details: N/A
Estimated age of wiring: >10 Years Yes, estimate age: >10 Years
Evidence of additions/modifications: Yes Date of last inspection: 13 June 2017
Installations record available? (Regulation 621.1): Yes

SECTION D: EXTENT AND LIMITATIONS OF INSPECTING AND TESTING
Extent of electrical installation covered by the report:
Visual inspection of supplies, terminal equipment, inspection of fixed main protective & supplementary bonding & fixed circuits. Due to limitation of access, lighting circuits may be tested at the switch. Supplies not provided by a distributor (e.g. photocell) are excluded.
Agreed limitations including the reasons (Regulation 634.2): Testing to be carried out in accordance with GN3 guidelines.
No disturbance of building fabric, fittings or sealed covers. No testing of boiler controls & circuits, emergency lighting, fire & intruder alarms and portable appliances, L.L. R not where prohibited.
Operational limitations including the reasons: Agreed with: Client
The inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS 7671: 2008 (IET Wiring Regulations) amended to April 2017. It should be noted that 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. Inspection of accessible and exposed housing other electrical equipment only if practicable. Limitation 1.00.1.1 Limitation 1.00.1.2 Limitation 1.00.1.3 Limitation 1.00.1.4 Limitation 1.00.1.5 Limitation 1.00.1.6 Limitation 1.00.1.7 Limitation 1.00.1.8 Limitation 1.00.1.9 Limitation 1.00.1.10 Limitation 1.00.1.11 Limitation 1.00.1.12 Limitation 1.00.1.13 Limitation 1.00.1.14 Limitation 1.00.1.15 Limitation 1.00.1.16 Limitation 1.00.1.17 Limitation 1.00.1.18 Limitation 1.00.1.19 Limitation 1.00.1.20 Limitation 1.00.1.21 Limitation 1.00.1.22 Limitation 1.00.1.23 Limitation 1.00.1.24 Limitation 1.00.1.25 Limitation 1.00.1.26 Limitation 1.00.1.27 Limitation 1.00.1.28 Limitation 1.00.1.29 Limitation 1.00.1.30 Limitation 1.00.1.31 Limitation 1.00.1.32 Limitation 1.00.1.33 Limitation 1.00.1.34 Limitation 1.00.1.35 Limitation 1.00.1.36 Limitation 1.00.1.37 Limitation 1.00.1.38 Limitation 1.00.1.39 Limitation 1.00.1.40 Limitation 1.00.1.41 Limitation 1.00.1.42 Limitation 1.00.1.43 Limitation 1.00.1.44 Limitation 1.00.1.45 Limitation 1.00.1.46 Limitation 1.00.1.47 Limitation 1.00.1.48 Limitation 1.00.1.49 Limitation 1.00.1.50 Limitation 1.00.1.51 Limitation 1.00.1.52 Limitation 1.00.1.53 Limitation 1.00.1.54 Limitation 1.00.1.55 Limitation 1.00.1.56 Limitation 1.00.1.57 Limitation 1.00.1.58 Limitation 1.00.1.59 Limitation 1.00.1.60 Limitation 1.00.1.61 Limitation 1.00.1.62 Limitation 1.00.1.63 Limitation 1.00.1.64 Limitation 1.00.1.65 Limitation 1.00.1.66 Limitation 1.00.1.67 Limitation 1.00.1.68 Limitation 1.00.1.69 Limitation 1.00.1.70 Limitation 1.00.1.71 Limitation 1.00.1.72 Limitation 1.00.1.73 Limitation 1.00.1.74 Limitation 1.00.1.75 Limitation 1.00.1.76 Limitation 1.00.1.77 Limitation 1.00.1.78 Limitation 1.00.1.79 Limitation 1.00.1.80 Limitation 1.00.1.81 Limitation 1.00.1.82 Limitation 1.00.1.83 Limitation 1.00.1.84 Limitation 1.00.1.85 Limitation 1.00.1.86 Limitation 1.00.1.87 Limitation 1.00.1.88 Limitation 1.00.1.89 Limitation 1.00.1.90 Limitation 1.00.1.91 Limitation 1.00.1.92 Limitation 1.00.1.93 Limitation 1.00.1.94 Limitation 1.00.1.95 Limitation 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Schedule of test Results

The Schedule of test results has many useful and time saving features as stated below:

1. Automatic filling in of information for example:
 - i) Occupier fills in automatic if inputted on any other page
 - ii) Inspected by fills in automatic if inputted on any other page
 - iii) Signature box fills in automatic if inputted in default options
 - iv) Test instruments fills in automatic if inputted in default options
 - v) Date fills in automatic if inputted on page 1
 - vi) Certificate number fills in automatic if inputted on any other page

The screenshot displays the 'U-Certify Pro (BETA Version)' software interface. The main window is titled 'ELECTRICAL INSTALLATION CONDITION REPORT'. It features a top menu bar with options like File, View, Technical Reference, and Help. Below the menu is a toolbar with icons for various functions. The form is divided into several sections:

- General Information:** Includes fields for Occupier (EXAMPLE OCCUPIER), DB Reference, DB Location, and Company (Hepworth UK).
- Test Details:** Includes fields for Certificate No. (12345678), Test Date (13 June 2017), and Test Location (10136211).
- Test Results:** A table with columns for Circuit Number, Description, and various test parameters such as Continuity, Insulation Resistance, RCD, and Polarity. The table is currently empty, with a 'Continue on a separate sheet if necessary' note at the bottom.

Schedule of test Results continued

2. Circuit description can trigger other inputting boxes to fill in automatically if **Change Grid defaults** are set on the schedule of test results.
As an example if grid defaults are changed, these defaults will automatically apply to continuation pages but not new Distribution board page. If a new distribution board is selected defaults will reset.

Once Change Grid Defaults is selected a pop up menu will appear and the following options can be set to what the user desires.

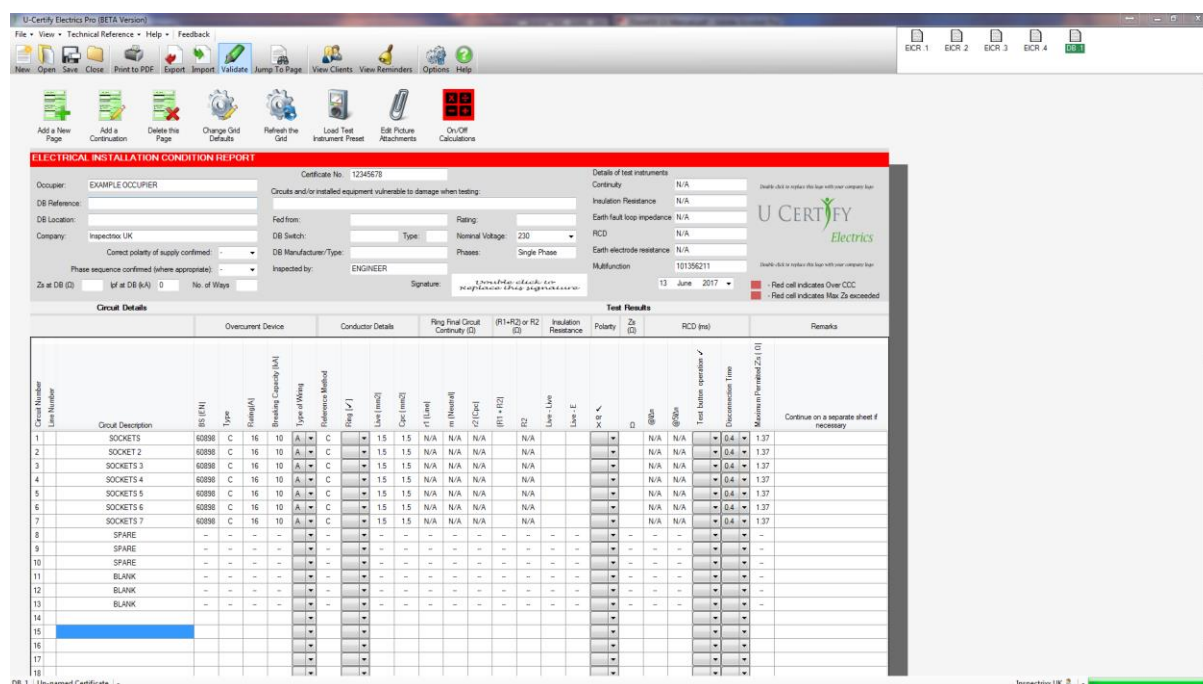
- BS(EN)
- Fuse / MCB Type
- Fuse / MCB Rating
- Fuse / MCB Breaking Capacity
- Type of wiring
- Reference Method
- Live (mm2)
- Cpc (mm2)
- Insulation Resistance L-L
- Insulation Resistance L-E
- Disconnection time

The screenshot shows the U-Certify Electrical Pro (BETA Version) software interface. The main window displays the 'ELECTRICAL INSTALLATION CONDITION REPORT' form. A 'Defaults' pop-up menu is open, showing settings for BS(EN), Type, Rating, BKG CAP, Type Circuit, REF MTD, Live (mm2), Cpc (mm2), IR L-L, IR L-E, and Disc Time. The background form includes sections for Occupier, DB Reference, DB Location, Company, and a large table for recording test results across various parameters like BS(EN), Type, Rating, and Live/Cpc values.

Schedule of test Results continued

Once defaults have been set, whilst the user is inputting data into the **circuit description** the defaults which were set in the **Change Grid Defaults** will now appear automatically on each line. The quickest way to navigate between boxes is to use the arrow keys on the keyboard as you can slip move and type, rather than clicking each box and typing.

If the words **SPARE** or **Blank** are used, all of the adjacent boxes to the right will automatically fill in with --



ELECTRICAL INSTALLATION CONDITION REPORT

Certificate No: 12345678

Occupier: EXAMPLE OCCUPIER

DB Reference:

DB Location:

Company: Inspector UK

Correct polarity of supply confirmed:

Phase sequence confirmed (where appropriate):

Zs at DB (Ω): 0.1 at DB (Ω): 0 No. of Ways:

Inspected by: ENGINEER

Signature:

Details of test instruments

Continuity: N/A

Insulation Resistance: N/A

Earth-fault loop impedance: N/A

RCD: N/A

Earth-electrode resistance: N/A

Multifunction: 101356211

13 June 2017

Red cell indicates Over CCC

Red cell indicates Max Zs exceeded

Circuit Number	Circuit Description	BS (EN)	Type	Rating(A)	Breaking Capacity (kA)	Reference Method	Reg (✓)	Live (mm²)	Cpc (mm²)	r1 (Ω/m)	r2 (Ω/m)	R1+R2 (Ω)	R2 (Ω)	Live-Line	Live-E	Pol	Zs (Ω)	RCD (ms)	Remarks
1	SOCKETS	60098	C	16	10	A	✓	1.5	1.5	N/A	N/A	N/A	N/A	N/A	N/A	✓	N/A	N/A	Continue on a separate sheet if necessary
2	SOCKET 2	60098	C	16	10	A	✓	1.5	1.5	N/A	N/A	N/A	N/A	N/A	N/A	✓	N/A	N/A	
3	SOCKETS 3	60098	C	16	10	A	✓	1.5	1.5	N/A	N/A	N/A	N/A	N/A	N/A	✓	N/A	N/A	
4	SOCKETS 4	60098	C	16	10	A	✓	1.5	1.5	N/A	N/A	N/A	N/A	N/A	N/A	✓	N/A	N/A	
5	SOCKETS 5	60098	C	16	10	A	✓	1.5	1.5	N/A	N/A	N/A	N/A	N/A	N/A	✓	N/A	N/A	
6	SOCKETS 6	60098	C	16	10	A	✓	1.5	1.5	N/A	N/A	N/A	N/A	N/A	N/A	✓	N/A	N/A	
7	SOCKETS 7	60098	C	16	10	A	✓	1.5	1.5	N/A	N/A	N/A	N/A	N/A	N/A	✓	N/A	N/A	
8	SPARE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
9	SPARE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
10	SPARE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
11	BLANK	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
12	BLANK	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
13	BLANK	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
14		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
15		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
16		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
17		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
18		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

DB 3 Un-named Certificate

Inspector UK

Schedule of test Results continued

4. Adjusting Number of Ways.

By inputting the desired number of ways, this will automatically adjust the number of the **circuit number** and **line number**.

U-Certify Electrical Pro (BETA Version)

File • View • Technical Reference • Help • Feedback

New Open Save Close Print to PDF Export Import Validate Jump To Page View Clients View Reminders Options Help

Add a New Page Add a Continuation Delete this Page Change Grid Defaults Refresh the Grid Load Test Instrument Preset Edit Picture Attachments On/Off Calculations

ELECTRICAL INSTALLATION CONDITION REPORT

Certificate No: 12345678

Occupier: EXAMPLE OCCUPIER

DB Reference:

DB Location:

Company: Inspection UK

Correct polarity of supply confirmed: ☐ No of Ways: 12

Phase sequence confirmed (where appropriate): ☐

Zs at DB (Ω): R1 at DB (Ω):

Details of test instruments

Continuity: N/A

Insulation Resistance: N/A

Earth fault loop impedance: N/A

RCD: N/A

Earth electrode resistance: N/A

MultiFunction: 101356211

13 June 2017

Red cell indicates Over CCC

Red cell indicates Max Zs exceeded

Circuit Details

Circuit Number	Circuit Description	DB (A)	Type	Rating (A)	Breaking Capacity (kA)	Type of Wiring	Reference Method	Ring (✓)	Line (mm²)	Cable (mm²)	Conductor (mm²)	Ring Final Circuit Continuity (Ω)	(R1+R2) or R2 (Ω)	Insulation Resistance	Polarity	Zs (Ω)	RCD (ms)	Remarks
1 L1	SOCKET 1	60098	C	16	10	A	C	✓	1.5	1.5	N/A	N/A	N/A	N/A	✓	N/A	N/A	1.37
1 L2	SOCKET 2	60098	C	16	10	A	C	✓	1.5	1.5	N/A	N/A	N/A	N/A	✓	N/A	N/A	1.37
1 L3	SOCKET 3	60098	C	16	10	A	C	✓	1.5	1.5	N/A	N/A	N/A	N/A	✓	N/A	N/A	1.37
2 L1	SOCKET 4	60098	C	16	10	A	C	✓	1.5	1.5	N/A	N/A	N/A	N/A	✓	N/A	N/A	1.37
2 L2	SOCKET 5	60098	C	16	10	A	C	✓	1.5	1.5	N/A	N/A	N/A	N/A	✓	N/A	N/A	1.37
2 L3	SOCKET 6	60098	C	16	10	A	C	✓	1.5	1.5	N/A	N/A	N/A	N/A	✓	N/A	N/A	1.37
3 L1	SOCKET 7	60098	C	16	10	A	C	✓	1.5	1.5	N/A	N/A	N/A	N/A	✓	N/A	N/A	1.37
3 L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4 L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4 L2	BLANK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4 L3	BLANK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Continue on a separate sheet if necessary

DB 1 Un-named Certificate

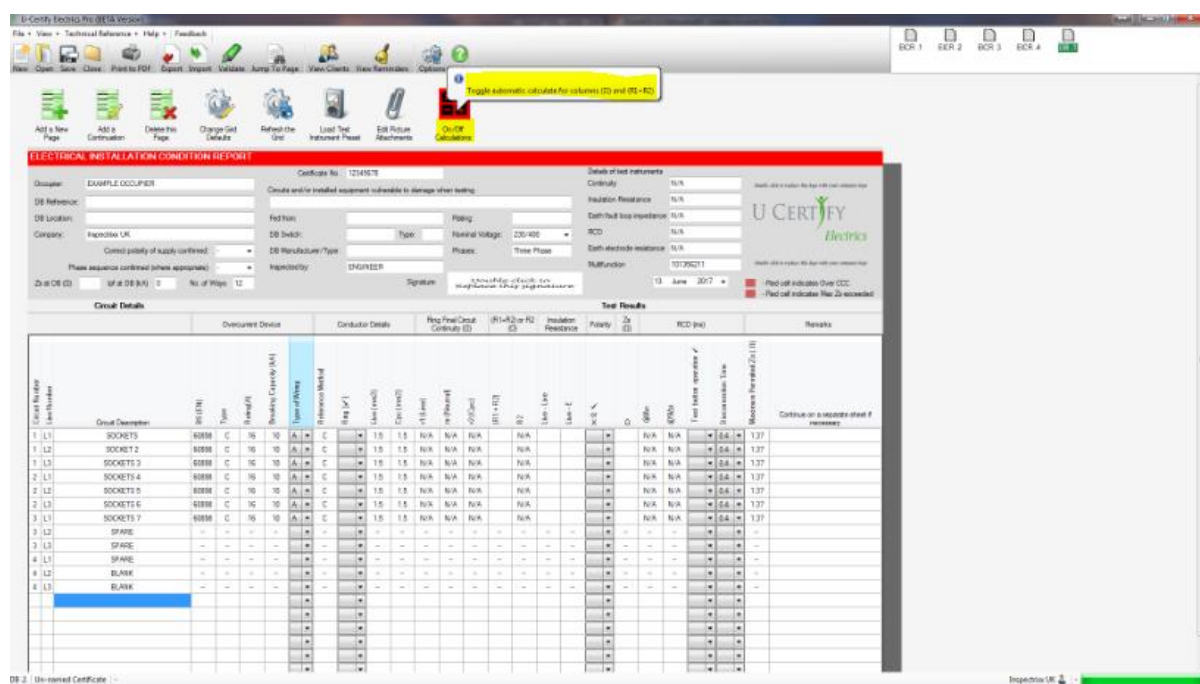
Inspection UK

Schedule of test Results continued

5. Calculations On/Off

This is a great feature which is designed for guidance purposes only and should NOT replace actual testing of circuits.

To enable this feature simply click **the RED Calculation** symbol labelled On/Off calculations and a brief message will pop up



The screenshot shows the U CERTIFY Electrical Installation Condition Report (EICR) software interface. The top menu bar includes File, View, Technical Reference, Help, and Feedback. The main window is divided into several sections:

- Form Fields:** Includes fields for Client, DB Reference, DB Location, Company, and various test parameters like Insulation Resistance, Earth fault loop impedance, and RCD.
- Buttons:** A yellow callout box highlights the 'On/Off Calculations' button, which is labeled 'Toggle automatic calculation for columns (Zs and R1+R2)'.
- Table:** A large table for recording test results. The table has columns for 'Circuit Details', 'Conductor Details', 'Test Results', and 'Remarks'. The 'Test Results' section includes columns for 'Ring Final Circuit Continuity (Zs)', 'R1+R2 or R2', 'Insulation Resistance', 'Polarity', 'Zs (Ω)', 'RCD (ms)', and 'Remarks'.

Now that the calculations feature has been enabled the following features will become live:

- Zs at DB (Ω) to Ip at DB will now calculate.
- Ze + (R1+R2) will calculate Zs of each circuit
- Zs – Ze will calculate (R1 + R2) of each circuit

Schedule of test Results continued

Zs at DB:

As an example if there is a **three phase** distribution board selected from the **nominal voltage** box **230/400v** and 0.10Ω is inputted in to the **Zs at DB box** a PFC of 4.6Ka will be calculated using Ohms Law.

If the distribution board is **single phase** distribution board selected from the **nominal voltage** box **230v** and a Zs at DB of 0.10Ω is inputted into the **Zs at DB box** a PFC of 2.3Ka will be calculated using Ohms Law.

U-Certify Electrical Pro (BETA Version)

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ELECTRICAL INSTALLATION CONDITION REPORT

Certificate No. 12345678

Occupier: EXAMPLE OCCUPIER

DB Reference:

DB Location:

Company: Inspector UK

Phase sequence confirmed (where appropriate):

Correct polarity of supply confirmed:

Phase sequence confirmed (where appropriate):

Correct polarity of supply confirmed:

Inspected by: ENGINEER

Signature:

Date: 13 June 2017

Details of test instruments

Continuity: N/A

Insulation Resistance: N/A

Earth fault loop impedance: N/A

RCD: N/A

Earth electrode resistance: N/A

Multi-function: 101356211

U CERTIFY Electrics

Red cell indicates Over CCC

Red cell indicates Max Zs exceeded

Circuit Details

Circuit Number	Circuit Description	BS EN	Type	Rating	Conductor Details	Ring Final Circuit Continuity (Ω)	(R1+R2) or R2 (Ω)	Insulation Resistance	Polarity	Zs (Ω)	RCD (ms)	Remarks
1 L1	SOCKET 5	60898	C	16 10	A	1.5 1.5	N/A	N/A	N/A	N/A	0.4	1.37
1 L2	SOCKET 2	60898	C	16 10	A	1.5 1.5	N/A	N/A	N/A	N/A	0.4	1.37
1 L3	SOCKET 3	60898	C	16 10	A	1.5 1.5	N/A	N/A	N/A	N/A	0.4	1.37
2 L1	SOCKET 4	60898	C	16 10	A	1.5 1.5	N/A	N/A	N/A	N/A	0.4	1.37
2 L2	SOCKET 5	60898	C	16 10	A	1.5 1.5	N/A	N/A	N/A	N/A	0.4	1.37
2 L3	SOCKET 6	60898	C	16 10	A	1.5 1.5	N/A	N/A	N/A	N/A	0.4	1.37
3 L1	SOCKET 7	60898	C	16 10	A	1.5 1.5	N/A	N/A	N/A	N/A	0.4	1.37
3 L2	SPARE	-	-	-	-	-	-	-	-	-	-	-
3 L3	SPARE	-	-	-	-	-	-	-	-	-	-	-
4 L1	SPARE	-	-	-	-	-	-	-	-	-	-	-
4 L2	BLANK	-	-	-	-	-	-	-	-	-	-	-
4 L3	BLANK	-	-	-	-	-	-	-	-	-	-	-


DB 1 Un-named Certificate

Inspector UK

Schedule of test Results continued

6. Ring Final Circuits.

If ring final circuit tick box has been selected then **r1 (line)**, **rn (neutral)** and **r2 (CPC)** boxes will remain blank. If however the ring final circuit box is left unticked then **N/A** will appear in the **r1 (line)**, **rn (neutral)** and **r2 (CPC)** boxes.

ELECTRICAL INSTALLATION CONDITION REPORT																													
Occupier: <input type="text" value="EXAMPLE OCCUPIER"/> DB Reference: <input type="text"/> DB Location: <input type="text"/> Company: <input type="text" value="Inspectrox UK"/> Correct polarity of supply confirmed: <input type="checkbox"/> Phase sequence confirmed (where appropriate): <input type="checkbox"/> Zs at DB (Ω): <input type="text" value="0.10"/> Ipf at DB (kA): <input type="text" value="4.6"/> No. of Ways: <input type="text" value="12"/>										Certificate No. <input type="text" value="12345678"/> Circuits and/or installed equipment vulnerable to damage when testing: <input type="text"/> Fed from: <input type="text"/> DB Switch: <input type="text"/> Type: <input type="text"/> DB Manufacturer/Type: <input type="text"/> Inspected by: <input type="text" value="ENGINEER"/> Signature: <input type="text" value="I should click to replace this signature"/> Date: <input type="text" value="13 June 2017"/>										Details of test instruments Continuity: <input type="text" value="N/A"/> Insulation Resistance: <input type="text" value="N/A"/> Earth fault loop impedance: <input type="text" value="N/A"/> RCD: <input type="text" value="N/A"/> Earth electrode resistance: <input type="text" value="N/A"/> Multifunction: <input type="text" value="101355211"/> Double click to replace this logo with your company logo 									
Circuit Details										Test Results																			
Circuit Number Line Number	Circuit Description	BS (EN)	Type	Rating(A)	Breaking Capacity (kA)	Type of Wiring	Reference Method	Ring Final	Live (mm ²)	Cpc (mm ²)	Ring Final Circuit Continuity (Ω)			(R1+R2) or R2 (Ω)		Insulation Resistance		Polarity	Zs (Ω)	RCD (ms)	Remarks								
											r1 (Line)	rn (Neutral)	r2 (Cpc)	R1	R2	Live - Live	Live - E												
1 L1	SOCKETS	60898	C	16	10	A	C	<input checked="" type="checkbox"/>	1.5	1.5				0.12	N/A				0.22	N/A									
1 L2	SOCKET 2	60898	C	16	10	A	C	<input checked="" type="checkbox"/>	1.5	1.5	N/A	N/A	N/A	0.14	N/A				0.24	N/A									
1 L3	SOCKETS 3	60898	C	16	10	A	C	<input checked="" type="checkbox"/>	1.5	1.5	N/A	N/A	N/A	0.22	N/A	LIM	>199	<input checked="" type="checkbox"/>	0.32	N/A									
2 L1	SOCKETS 4	60898	C	16	10	A	C	<input checked="" type="checkbox"/>	1.5	1.5	N/A	N/A	N/A	N/A					N/A	N/A									
2 L2	SOCKETS 5	60898	C	16	10	A	C	<input checked="" type="checkbox"/>	1.5	1.5	N/A	N/A	N/A	N/A					N/A	N/A									
2 L3	SOCKETS 6	60898	C	16	10	A	C	<input checked="" type="checkbox"/>	1.5	1.5	N/A	N/A	N/A	N/A					N/A	N/A									
3 L1	SOCKETS 7	60898	C	16	10	A	C	<input checked="" type="checkbox"/>	1.5	1.5	N/A	N/A	N/A	N/A					N/A	N/A									
3 L2	SPARE	-	-	-	-	-	-	<input checked="" type="checkbox"/>	-	-	-	-	-	-	-	-	-	-	-	-									
3 L3	SPARE	-	-	-	-	-	-	<input checked="" type="checkbox"/>	-	-	-	-	-	-	-	-	-	-	-	-									
4 L1	SPARE	-	-	-	-	-	-	<input checked="" type="checkbox"/>	-	-	-	-	-	-	-	-	-	-	-	-									
4 L2	BLANK	-	-	-	-	-	-	<input checked="" type="checkbox"/>	-	-	-	-	-	-	-	-	-	-	-	-									
4 L3	BLANK	-	-	-	-	-	-	<input checked="" type="checkbox"/>	-	-	-	-	-	-	-	-	-	-	-	-									

Schedule of test Results continued

7. Smart Referencing.

Smart referencing is a great feature where depending on what information is inputted in to certain boxes, the software will reference specific tables within BS7671.

The tables which the software uses can be found at the top of the screen labelled **technical reference** with a drop down menu.

U-Certify Electrical Pro (BETA Version)

File View **Technical Reference** Help Feedback

New Open Add a New Page Add a Continuation Delete this Page Change Grid Defaults Refresh the Grid Load Test Instrument Preset Edit Picture Attachments On/Off Calculations

CSA Conduit, Trunking, Armouring
Current Carrying Capacities Tables
Maximum Zs Table
Reference Methods

ELECTRICAL INSTALLATION CONDITION REPORT

Occupier: EXAMPLE OCCUPIER Certificate No. 12345678

DB Reference: Circuits and/or installed equipment vulnerable to damage when testing:

DB Location: Fed from: Rating: 230/400

Company: Inspector UK DB Switch: Type: DB Manufacture/Type: Phases: Three Phase

Correct polarity of supply confirmed: -

Phase sequence confirmed (where appropriate): -

Inspected by: ENGINEER

Signature: [Signature]

Details of test instruments

Continuity: N/A

Insulation Resistance: N/A

Earth fault loop impedance: N/A

RCD: N/A

Earth electrode resistance: N/A

Multifunction: 101356211

13 June 2017

Legend: - Red cell in - Red cell in

Schedule of test Results continued

Smart referencing also continued.

Another example of smart referencing is as follows:

If a circuit on a **BS (EN) 60898, type C, 40 amp** has a **type of wiring A, reference method B** the software will refer to table **4D2A from BS7671** and see that the maximum current carrying capacity for single phase is **38amp** and highlight the **Rating column box RED** and the observation is automatically placed on section **K Observations**.

Circuit Details									
Circuit Details		Overcurrent Device		Conductor Details		Rating			
Circuit Number	Line Number	BS (EN)	Type	Rating(A)	Breaking Capacity (kA)	Type of Wiring	Reference Method	Rating (A)	Rating (mm²)
1	L1	60898	C	32	10	A	C	✓	2.5
1	L2	60898	C	32	10	A	C	✓	2.5
1	L3	60898	C	40	10	A	B	✓	2.5
2	L1	60898	C	40	10	A	C	✓	6.0
2	L2	60898	C	16	10	A	C	✓	1.5
2	L3	60898	C	16	10	A	C	✓	1.5
3	L1	60898	C	16	10	A	C	✓	1.5
3	L2	60898	C	16	10	A	C	✓	1.5
3	L3	60898	C	16	10	A	C	✓	1.5
4	L1	60898	C	16	10	A	C	✓	1.5
4	L2	60898	C	16	10	A	C	✓	1.5
4	L3	60898	C	16	10	A	C	✓	1.5

TABLE 4D2A - MULTICORE 70°C THERMOPLASTIC INSULATED AND THERMO PLASTIC SHEATHED CABLES NON-ARMoured (COPPER CONDUCTORS)									
CURRENT CARRYING CAPACITIES (amperes)									
Conductors cross sectional area (mm²)	Reference Method A (enclosed in conduit or in a wall or in trunking etc.)	Reference Method B (enclosed in conduit or in a wall or in trunking etc.)	Reference Method C (clipped direct)	Reference Method D (in free air or on a perforated tray etc., horizontal or vertical)	Reference Method E (in free air or on a perforated tray etc., horizontal or vertical)	Reference Method F (in free air or on a perforated tray etc., horizontal or vertical)	Reference Method G (in free air or on a perforated tray etc., horizontal or vertical)	Reference Method H (in free air or on a perforated tray etc., horizontal or vertical)	Reference Method I (in free air or on a perforated tray etc., horizontal or vertical)
1 two-core* or 1 four-core cable, three phase a.c.	1 three-core* or 1 four-core cable, three phase a.c.	1 two-core* or 1 four-core cable, three phase a.c.	1 three-core* or 1 four-core cable, three phase a.c.	1 two-core* or 1 four-core cable, three phase a.c.	1 three-core* or 1 four-core cable, three phase a.c.	1 two-core* or 1 four-core cable, three phase a.c.	1 three-core* or 1 four-core cable, three phase a.c.	1 two-core* or 1 four-core cable, three phase a.c.	1 three-core* or 1 four-core cable, three phase a.c.
(mm²)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)
1	11	10	13	11.5	15	13.5	17	14.5	18.5
1.5	14	13	16.5	15	19.5	17.5	22	18.5	23.5
2.5	18.5	17.5	23	20	27	24	30	25	31.5
4	25	23	30	27	36	32	40	34	43
6	32	29	38	34	46	41	51	43	54
10	43	39	52	46	63	57	70	60	75
16	57	52	69	62	85	76	94	80	101
25	75	68	90	80	112	96	119	101	126
35	92	83	111	99	138	119	148	126	156
50	110	99	133	118	168	144	180	153	196
70	139	125	168	149	213	184	232	196	246
95	167	150	201	179	258	223	282	238	296
120	192	172	232	206	299	259	328	276	346
150	219	196	258	225	344	299	379	319	396
185	248	223	284	255	392	341	434	364	456
240	291	261	344	297	461	403	514	430	536
300	334	298	394	339	530	464	593	497	616
400	434	384	504	449	692	604	776	646	806

* With or without protective conductor

Schedule of test Results continued

Smart referencing also continued.

Another example of smart referencing is as follows:

If a **3 PHASE** circuit on a **BS (EN) 60898, type C, 63 amp** has a **type of wiring F**, **reference method C** the software will refer to **table 4D2A** from **BS7671** and see that the maximum current carrying capacity for **3 phase** is **58amp** and highlight the **Rating column box RED** and the observation is automatically placed on **section K** Observations.

The software automatically refers to **3 phase** tables when the circuit name is **used 3 times** or if the words **3 TP, 3TP, TPN & Three phase** are used in the circuit box.

The screenshot displays the U CERTIFY software interface. The left pane shows the 'ELECTRICAL INSTALLATION CONDITION REPORT' form. The right pane displays a reference table for current carrying capacities.

Electrical Installation Condition Report (EICR) Form:

- Occupier:** EXAMPLE OCCUPIER
- DB Reference:**
- DB Location:**
- Company:** Inspector UK
- Correct polarity of supply confirmed:** [X]
- Phase sequence confirmed (where appropriate):** [X]
- Zs at DB (Ω):** 0.10
- Is at DB (A):** 4.6
- No. of Wires:** 12
- Certificate No.:** 12345678
- Inspected by:** ENGINEER
- Signature:** [Signature]

Circuit Details Table:

Circuit Number	Circuit Description	BS (EN)	Type	Rating(A)	Breaking Capacity (kA)	Type of Wiring	Reference Method	Ring (✓/✗)	Live (mm ²)	Neutral (mm ²)	Earth (mm ²)	Ring Final Circuit Continuity (Ω)
1 L1	SOCKETS	60898	C	32	10	A	C	✓	2.5	1.5	N/A	N/A
1 L2	HEATER	60898	C	20	10	A	C	✓	2.5	1.5	N/A	N/A
1 L3	INTRUDER ALARM	60898	C	32	10	A	B	✓	6.0	2.5	N/A	N/A
2 L1	DB 1	60898	C	63	10	F	C	✓	10	10	N/A	N/A
2 L2	DB 2	60898	C	63	10	F	C	✓	10	10	N/A	N/A
2 L3	DB 2	60898	C	63	10	F	C	✓	10	10	N/A	N/A
3 L1	DB 2	60898	C	63	10	F	C	✓	10	10	N/A	N/A
3 L2	SPARE	-	-	-	-	-	-	-	-	-	-	-
3 L3	SPARE	-	-	-	-	-	-	-	-	-	-	-
4 L1	SPARE	-	-	-	-	-	-	-	-	-	-	-
4 L2	BLANK	-	-	-	-	-	-	-	-	-	-	-
4 L3	BLANK	-	-	-	-	-	-	-	-	-	-	-

Table 4D2A: MULTICORE ARMoured 70°C THERMOPLASTIC INSULATED CABLES (COPPER CONDUCTORS)

CURRENT CARRYING CAPACITIES (amperes)

conductors cross-sectional area (mm ²)	Reference Method C (clipped direct)		Reference Method E (in free air or on a perforated tray etc. horizontal or vertical)		Reference Method F (direct in ground or in ducting in ground, in or around buildings)	
	1 two-core single phase a.c. or d.c.	1 three-core or 1 four-core cable, three phase a.c.	1 two-core single phase a.c. or d.c.	1 three-core or 1 four-core cable, three phase a.c.	1 two-core single phase a.c. or d.c.	1 three-core or 1 four-core cable, three phase a.c.
1.5	21	18	22	19	22	18
2.5	28	25	31	26	29	24
4	38	33	43	35	37	30
6	49	42	55	45	48	38
10	67	58	72	62	66	50
16	99	77	107	83	78	64
25	118	102	128	110	99	82
35	145	125	157	135	119	98
50	175	153	190	163	140	118
70	222	192	241	207	173	143
95	269	231	291	251	204	167
120	310	267	336	290	231	192
150	356	306	386	331	261	217
185	405	348	439	378	292	243
240	476	409	518	445	336	280
300	547	469	592	510	379	316
400	621	540	663	590	445	366

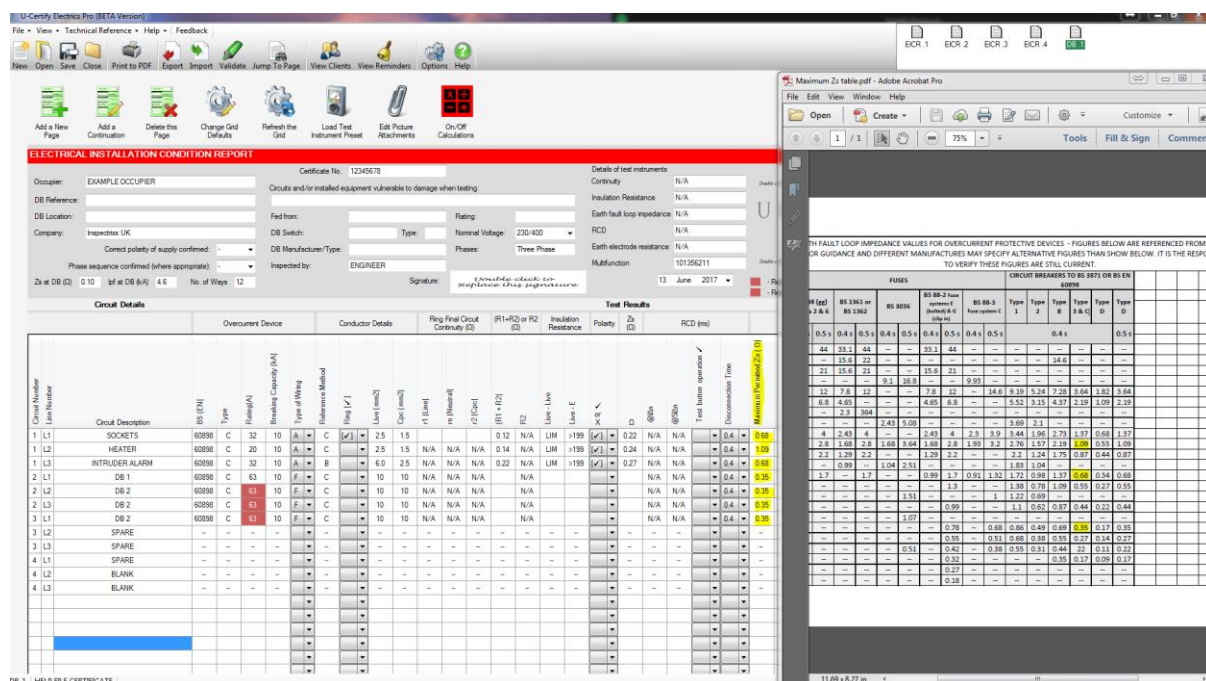
Schedule of test Results continued

Smart referencing also continued.

Another example of smart referencing is as follows:

8. Maximum permissible Zs Values

Depending on the **BS (EN)** of an MCB/Fuse and Type and disconnection time the software will automatically reference the correct **maximum permissible Zs value** of that particular type. The table which the software refers to can be located under **technical references** in the top left menu.



The screenshot displays the U CERTIFY software interface, specifically the 'ELECTRICAL INSTALLATION CONDITION REPORT' (EICR) and a technical reference table for maximum permissible Zs values.

EICR Details:

- Certificate No:** 12345678
- Occupier:** EXAMPLE OCCUPIER
- DB Reference:**
- DB Location:**
- Company:** Inspector UK
- Phase sequence confirmed (where appropriate):**
- Correct polarity of supply confirmed:**
- Inspected by:** ENGINEER
- Signature:**
- Date:** 13 June 2017

Test Results Table:

Circuit Number	Circuit Description	BS (EN)	Type	Rating (A)	Breaker Capacity (kA)	Type of Wiring	Reference Method	Test Results										
								Rating (A)	Test (mV)	Test (mV)	Test (mV)	Test (mV)	Test (mV)	Test (mV)	Test (mV)	Test (mV)	Test (mV)	Test (mV)
1 L1	SOCKETS	60890	C	32	10	A	C	2.5	1.5	N/A	N/A	0.12	N/A	LIM	<0.2	N/A	N/A	0.4
1 L2	HEATER	60890	C	20	10	A	C	2.5	1.5	N/A	N/A	0.14	N/A	LIM	<0.2	N/A	N/A	0.4
1 L3	INTRUDER ALARM	60890	C	32	10	A	C	6.0	2.5	N/A	N/A	0.22	N/A	LIM	<0.2	N/A	N/A	0.4
2 L1	DB 1	60890	C	63	10	F	C	10	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2 L2	DB 2	60890	C	63	10	F	C	10	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2 L3	DB 2	60890	C	63	10	F	C	10	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
3 L1	DB 2	60890	C	63	10	F	C	10	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
3 L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3 L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4 L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4 L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4 L3	BLANK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Technical Reference Table: Maximum Zs values for BS 88-3 or BS 88-2 fuses

I _n (A)	BS 88-3 or BS 1362				BS 88-3 or BS 88-2 fuses				BS 88-3 or BS 88-2 fuses				BS 88-3 or BS 88-2 fuses			
	0.5 s	0.4 s	0.5 s	0.4 s	0.5 s	0.4 s	0.5 s	0.4 s	0.5 s	0.4 s	0.5 s	0.4 s	0.5 s			
4	33.1	44	33.1	44	33.1	44	33.1	44	33.1	44	33.1	44	33.1			
6	25.8	22	25.8	22	25.8	22	25.8	22	25.8	22	25.8	22	25.8			
10	15.6	13	15.6	13	15.6	13	15.6	13	15.6	13	15.6	13	15.6			
16	9.8	8.3	9.8	8.3	9.8	8.3	9.8	8.3	9.8	8.3	9.8	8.3	9.8			
25	6.3	5.3	6.3	5.3	6.3	5.3	6.3	5.3	6.3	5.3	6.3	5.3	6.3			
32	4.8	4.0	4.8	4.0	4.8	4.0	4.8	4.0	4.8	4.0	4.8	4.0	4.8			
40	3.9	3.2	3.9	3.2	3.9	3.2	3.9	3.2	3.9	3.2	3.9	3.2	3.9			
63	2.5	2.1	2.5	2.1	2.5	2.1	2.5	2.1	2.5	2.1	2.5	2.1	2.5			
100	1.6	1.3	1.6	1.3	1.6	1.3	1.6	1.3	1.6	1.3	1.6	1.3	1.6			
160	1.0	0.8	1.0	0.8	1.0	0.8	1.0	0.8	1.0	0.8	1.0	0.8	1.0			
250	0.6	0.5	0.6	0.5	0.6	0.5	0.6	0.5	0.6	0.5	0.6	0.5	0.6			
400	0.3	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.3			
630	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2			

Schedule of test Results continued

Smart Observations for schedule of test results.

The schedule of test results has a clever feature which automatically placed Observations which have been highlight in **RED cells** as well as remarks made on the schedule of test results.

ELECTRICAL INSTALLATION CONDITION REPORT

Certificate No: 12345678

Occupier: EXAMPLE OCCUPIER

DB Reference: MAIN PANEL

DB Location: INTAKE ROOM

Company: Inspector UK

Rating: 100

Nominal Voltage: 230/400

Phases: Three Phase

Test Results:

Circuit Number	Description	Rating	Test Results	Remarks
1 L1	SOCKETS	60096	2.5 1.5	SOCKETS DAMAGED
1 L2	HEATER	60096	2.5 1.5	HEATER FAULTY
1 L3	INTRUDER ALARM	60096	2.5 1.5	
2 L1	DB 1	60096	2.5 1.5	
2 L2	DB 2	60096	2.5 1.5	
2 L3	DB 2	60096	2.5 1.5	
3 L1	SPARE	60096	2.5 1.5	
3 L2	SPARE	60096	2.5 1.5	
3 L3	SPARE	60096	2.5 1.5	
4 L1	BLANK	60096	2.5 1.5	
4 L2	BLANK	60096	2.5 1.5	
4 L3	BLANK	60096	2.5 1.5	

Observations (continued on additional form if required):

- Page 3 Item Number 1.3 has been issued Code C2
- Page 3 Item Number 1.2 has been issued Code C2
- Page 3 Item Number 1.1 has been issued Code C2
- Current Carrying Capacity of Conductor Exceeded. DB Reference: MAIN PANEL DB 1)-3-L1
- Current Carrying Capacity of Conductor Exceeded. DB Reference: MAIN PANEL DB 1)-2-L3
- Current Carrying Capacity of Conductor Exceeded. DB Reference: MAIN PANEL DB 1)-2-L2
- Maximum Permissible 2s of Protective Device Exceeded. DB Reference: MAIN PANEL DB 1)-2-L1
- Maximum Permissible 2s of Protective Device Exceeded. DB Reference: MAIN PANEL DB 1)-2-L2
- Maximum Permissible 2s of Protective Device Exceeded. DB Reference: MAIN PANEL DB 1)-2-L3
- Maximum Permissible 2s of Protective Device Exceeded. DB Reference: MAIN PANEL DB 1)-3-L1
- DB Reference: MAIN PANEL DB 1)-1-L1 - SOCKETS DAMAGED
- DB Reference: MAIN PANEL DB 1)-1-L2 - HEATER FAULTY

Once the Observations have automatically been placed in **section K**, the software will leave the code as a note which allows the user to automatically choose the desired Code e.g. **C1, C2, C3 or FI**

ELECTRICAL INSTALLATION CONDITION REPORT

Certificate No: 12345678

Occupier: EXAMPLE OCCUPIER

Section K. OBSERVATIONS AND READINGS

Referring to the attached schedule of inspection and test results, and subject to the limitations specified in the Extent of Inspection and Testing section.

Observations (continued on additional form if required):

- Page 3 Item Number 1.3 has been issued Code C2
- Page 3 Item Number 1.2 has been issued Code C2
- Page 3 Item Number 1.1 has been issued Code C2
- Current Carrying Capacity of Conductor Exceeded. DB Reference: MAIN PANEL DB 1)-3-L1
- Current Carrying Capacity of Conductor Exceeded. DB Reference: MAIN PANEL DB 1)-2-L3
- Current Carrying Capacity of Conductor Exceeded. DB Reference: MAIN PANEL DB 1)-2-L2
- Maximum Permissible 2s of Protective Device Exceeded. DB Reference: MAIN PANEL DB 1)-2-L1
- Maximum Permissible 2s of Protective Device Exceeded. DB Reference: MAIN PANEL DB 1)-2-L2
- Maximum Permissible 2s of Protective Device Exceeded. DB Reference: MAIN PANEL DB 1)-2-L3
- Maximum Permissible 2s of Protective Device Exceeded. DB Reference: MAIN PANEL DB 1)-3-L1
- DB Reference: MAIN PANEL DB 1)-1-L1 - SOCKETS DAMAGED
- DB Reference: MAIN PANEL DB 1)-1-L2 - HEATER FAULTY

Adding Distribution Boards

Adding a New distribution can simply be done by clicking **Add a New Page**.

ELECTRICAL INSTALLATION CONDITION REPORT

Certificate No: 12345678

Occupier: EXAMPLE OCCUPIER

DB Reference: MAIN PANEL

DB Location: INTAKE ROOM

Company: Inspector UK

Correct polarity of supply confirmed: ☒

Phase sequence confirmed (where appropriate): ☒

Zs at DB (Ω): 0.10 | R at DB (Ω-A): 4.5 | No. of Ways: 12

Details of test instruments:

- Continuity: N/A
- Insulation Resistance: N/A
- Earth fault loop impedance: N/A
- RCD: N/A
- Earth electrode resistance: N/A
- Multifunction: 101356211

Test Results:

Circuit Number	Circuit Description	BS (EN)	Type	Rating(A)	Breaking Capacity (kA)	Reference Method	Ring Final Continuity (Ω)	(R1+R2) or R2 (Ω)	Insulation Resistance	Polarity	Zs (Ω)	RCD (ms)	Remarks							
1	SOCKETS	60398	C	32	10	A	2.5	1.5	N/A	N/A	0.12	N/A	LIM	>199	0.22	N/A	N/A	0.4	0.68	SOCKETS DAMAGED
2	HEATER	60398	C	20	10	A	2.5	1.5	N/A	N/A	0.14	N/A	LIM	>199	0.24	N/A	N/A	0.4	1.09	HEATER FAULTY
3	INTRUDER ALARM	60398	C	32	10	A	6.0	2.5	N/A	N/A	0.22	N/A	LIM	>199	0.27	N/A	N/A	0.4	0.68	
4	DB 1	60398	C	63	10	F	10	10	N/A	N/A	N/A	>199	LIM	>199	0.36	N/A	N/A	0.4	0.35	
5	DB 2	60398	C	63	10	F	10	10	N/A	N/A	N/A	>199	LIM	>199	0.70	N/A	N/A	0.4	0.35	
6	DB 2	60398	C	63	10	F	10	10	N/A	N/A	N/A	>199	LIM	>199	0.70	N/A	N/A	0.4	0.35	
7	DB 2	60398	C	63	10	F	10	10	N/A	N/A	N/A	>199	LIM	>199	0.70	N/A	N/A	0.4	0.35	
8	SPARE																			
9	SPARE																			
10	SPARE																			
11	BLANK																			
12	BLANK																			
13	BLANK																			

Adding Continuation Pages

Adding a Continuation page for the same Distribution Board can simply be done by clicking **Add a Continuation**.

ELECTRICAL INSTALLATION CONDITION REPORT

Certificate No: 12345678

Occupier: EXAMPLE OCCUPIER

DB Reference: MAIN PANEL

DB Location: INTAKE ROOM

Company: Inspector UK

Correct polarity of supply confirmed: ☒

Phase sequence confirmed (where appropriate): ☒

Zs at DB (Ω): 0.10 | R at DB (Ω-A): 4.5 | No. of Ways: 12

Details of test instruments:

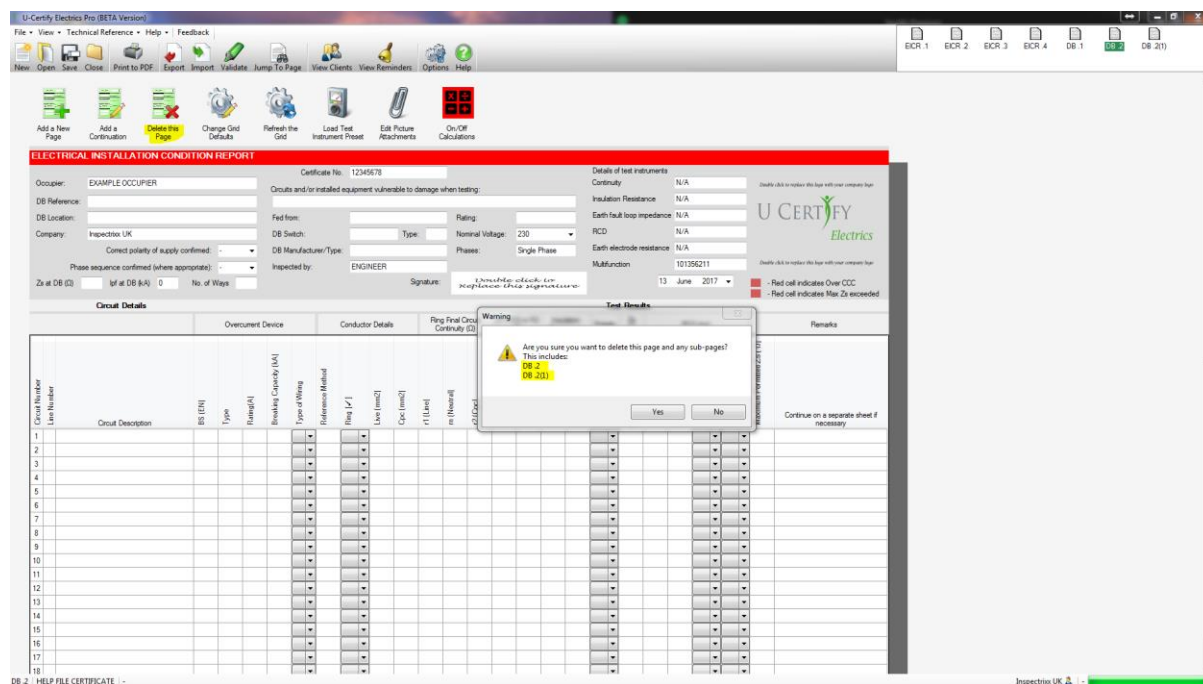
- Continuity: N/A
- Insulation Resistance: N/A
- Earth fault loop impedance: N/A
- RCD: N/A
- Earth electrode resistance: N/A
- Multifunction: 101356211

Test Results:

Circuit Number	Circuit Description	BS (EN)	Type	Rating(A)	Breaking Capacity (kA)	Reference Method	Ring Final Continuity (Ω)	(R1+R2) or R2 (Ω)	Insulation Resistance	Polarity	Zs (Ω)	RCD (ms)	Remarks
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													

Deleting Distribution Boards

To Delete a Distribution Board ensure you are on the Schedule of Test Results page for the correct Distribution Board you wish to delete and click **Delete this Page**. Please note if this distribution board has continuation pages these will also be deleted as they formed part of the same distribution board.



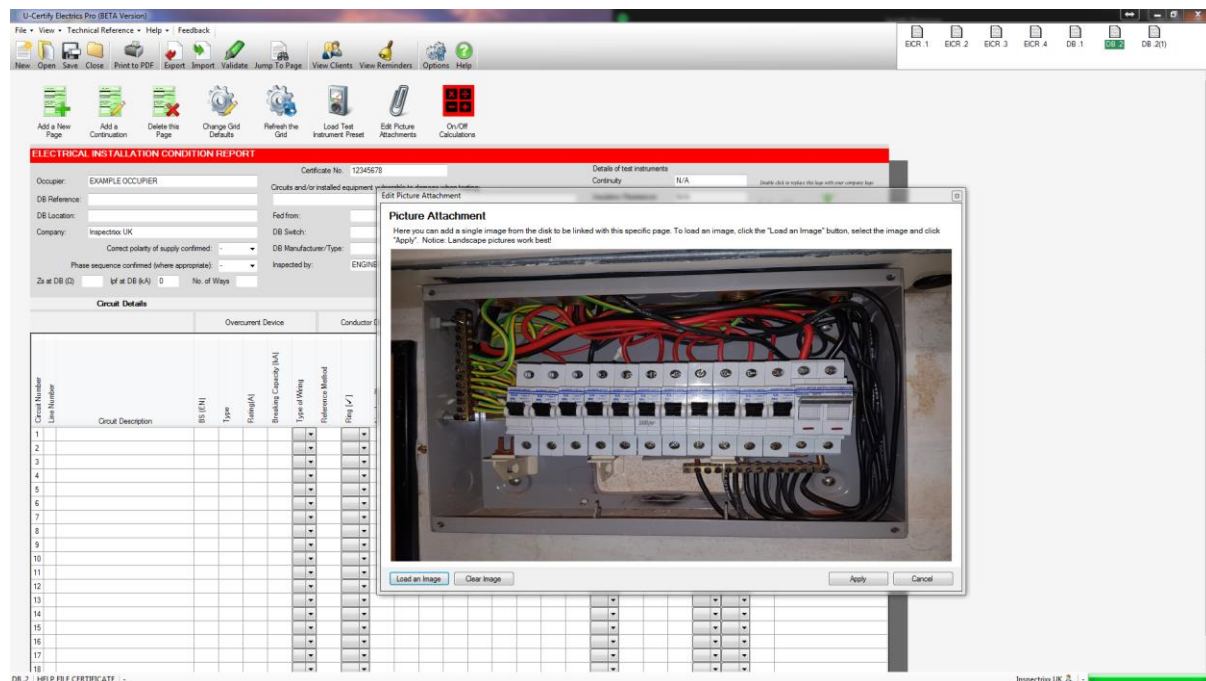
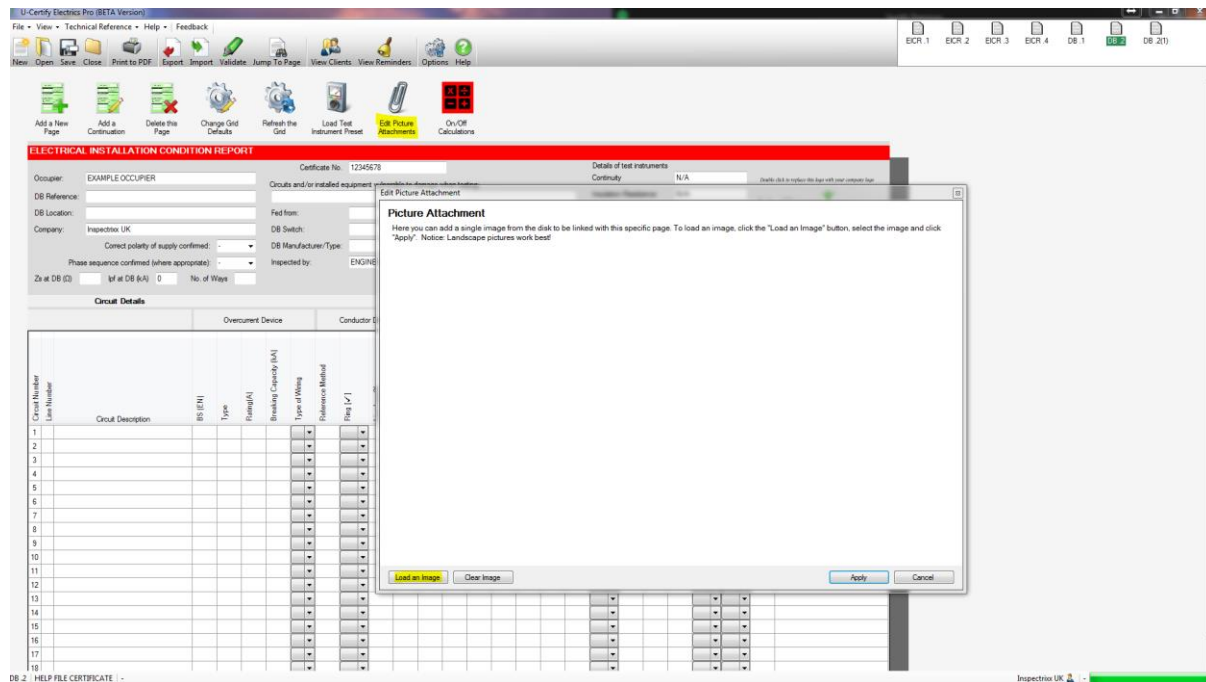
The screenshot shows the U-Certify Electrical Installation Condition Report (EICR) software interface. The top toolbar contains several buttons, with 'Delete this Page' highlighted in yellow. A warning dialog box is displayed in the center, asking 'Are you sure you want to delete this page and any sub-pages?' with 'Yes' and 'No' buttons. The background shows the EICR form with various fields for occupier, DB reference, location, and test results.

Deleting Continuation Pages.

This can be done follow the same steps as above.

Adding Attachments

To add attachments to the certificate simply click **add attachments** and a pop box will appear where you click **Load an Image** and select a Picture of your choice from your PC/Laptops Storage.





View Clients

Coming soon!!!!

View Reminders

Coming soon!!!!

Technical References.

To assist the user we have created a section called **technical references** which can be found in the top left corner of the software. This can be used to open PDF files which contain lots of relevant and useful technical information.

ELECTRICAL INSTALLATION CONDITION REPORT

Client: EXAMPLE OCCUPIER Certificate No: 12345678

DB Reference: DB Location: Company: Inspection UK

Phase sequence confirmed (where appropriate):

DB at DB (S) (if at DB (S)) No. of Wires

Inspector: ENGINEER Signature: [Signature]

Details of test instruments:

Continuity: N/A Insulation Resistance: N/A Earth fault loop impedance: N/A RCD: N/A Earth electrode resistance: N/A

Test Results

Circuit Number	Description	Reg Final Circuit Continuity (Ω)	(R1+R2) or R2 (Ω)	Insulation Resistance	Polarity	Zs (Ω)	RCD (ms)	Remarks
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								

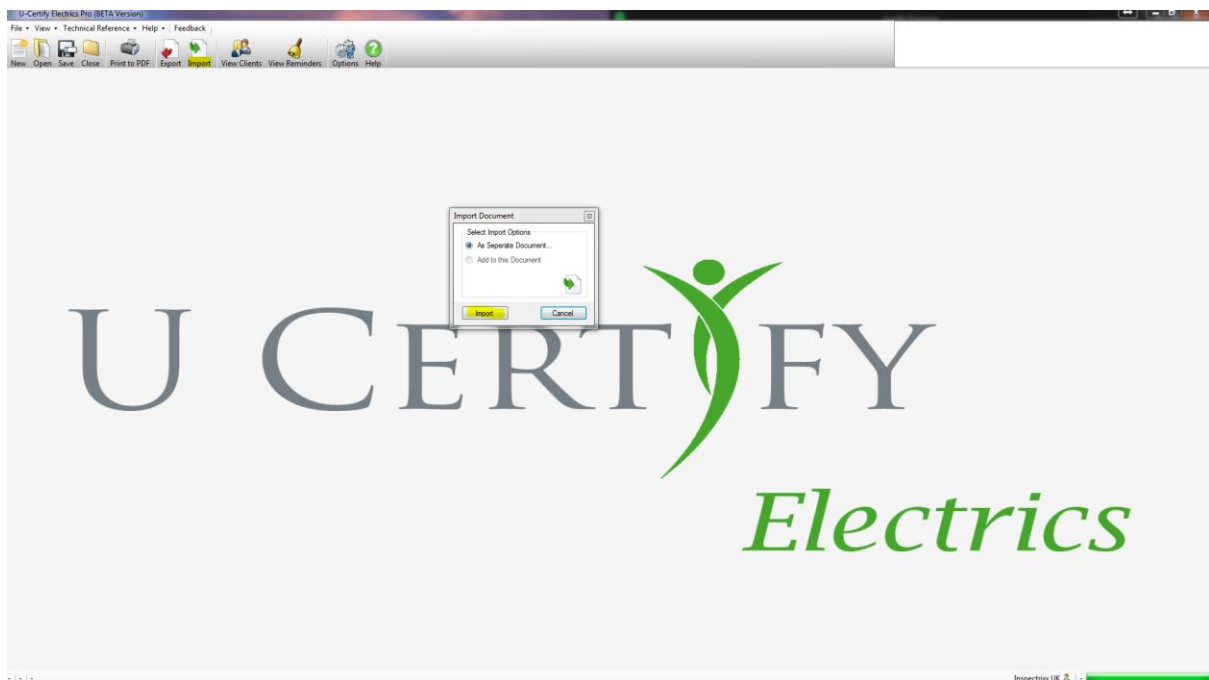
09.2 - HELP FILE CERTIFICATE

Inspector: UK

Exporting and Importing Certificates.

This is a great feature if you plan to complete the certificates on a laptop whilst on site and once finished on site you can export your certificate to another machine which has a licensed copy of U Certify Electrics Pro.

To import a file simply click **Import** which can be found at the top of the software. Once this has been clicked a pop box will appear and you can then follow the instructions and import.



Exporting and Importing Certificates continued.

To export a file simply click **Export** which can be found at the top of the software. Once this has been clicked a pop box will appear and you can then follow the instructions and import.

The screenshot displays the U-Certify Pro (BETA Version) software interface. The main window shows the 'ELECTRICAL INSTALLATION CONDITION REPORT' form. The form includes fields for Occupier (EXAMPLE OCCUPIER), DB Reference (MAIN PANEL), DB Location (INTAKE ROOM), and Company (Inspector UK). It also features a table for 'Circuit Details' with columns for Circuit Number, Line Number, Circuit Description, BS EN, Type, Rating, Breaking Capacity (kA), Type of Wiring, Insulation Material, Ring (L1), Live (mm²), Core (mm²), r1 (mm²), r2 (mm²), R1+R2, R1+R2, R2, and Remarks. A 'HELP FILE CERTIFICATE' dialog box is open, asking if the user wants to export the document with or without company details, signatures, and logos. The dialog box has 'Export' and 'Cancel' buttons.

Circuit Number	Line Number	Circuit Description	BS EN	Type	Rating	Breaking Capacity (kA)	Type of Wiring	Insulation Material	Ring (L1)	Live (mm²)	Core (mm²)	r1 (mm²)	r2 (mm²)	R1+R2	R1+R2	R2	Remarks
1	L1	SOCKETS	60898	C	32	10	A	C	✓	2.5	1.5	N/A	N/A	0.12	N/A	N/A	
1	L2	HEATER	60898	C	20	10	A	C	✓	2.5	1.5	N/A	N/A	0.14	N/A	N/A	
1	L3	INTRUDER ALARM	60898	C	32	10	A	B	✓	6.0	2.5	N/A	N/A	0.22	N/A	N/A	
2	L1	DB 1	60898	C	63	10	F	C	✓	10	10	N/A	N/A	N/A	N/A	N/A	
2	L2	DB 2	60898	C	63	10	F	C	✓	10	10	N/A	N/A	N/A	N/A	N/A	
2	L3	DB 2	60898	C	63	10	F	C	✓	10	10	N/A	N/A	N/A	N/A	N/A	
3	L1	DB 2	60898	C	63	10	F	C	✓	10	10	N/A	N/A	N/A	N/A	N/A	
3	L2	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3	L3	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4	L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4	L2	BLANK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4	L3	BLANK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Validating

To Validate a certificate simply click **Validate** at the top of the software.

ELECTRICAL INSTALLATION CONDITION REPORT

Certificate No: 12345678

Occuper: EXAMPLE OCCUPIER

DB Reference:

DB Location:

Company: Inspector UK

Correct polarity of supply confirmed: ☐ Yes ☐ No

Phase sequence confirmed (where appropriate): ☐ Yes ☐ No

Zs at DB (Ω): at DB (kV): No. of Ways:

Details of test instruments:

Continuity	N/A
Insulation Resistance	N/A
Earth fault loop impedance	N/A
RCD	N/A
Earth electrode resistance	N/A
Multifunction	101356211

Test Results

Circuit Number	Overcurrent Device	Conductor Details	Ring Final Circuit Continuity (Ω)	(R1+R2) or R2 (Ω)	Insulation Resistance	Polarity	Zs (Ω)	RCD (ms)	Remarks
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									

Once Validate has been selected, red arrows will begin to flash around any empty boxes throughout the certificate.

ELECTRICAL INSTALLATION CONDITION REPORT

Certificate No: 12345678

Occuper: EXAMPLE OCCUPIER

DB Reference:

DB Location:

Company: Inspector UK

Correct polarity of supply confirmed: ☐ Yes ☐ No

Phase sequence confirmed (where appropriate): ☐ Yes ☐ No

Zs at DB (Ω): at DB (kV): No. of Ways:

Details of test instruments:

Continuity	N/A
Insulation Resistance	N/A
Earth fault loop impedance	N/A
RCD	N/A
Earth electrode resistance	N/A
Multifunction	101356211

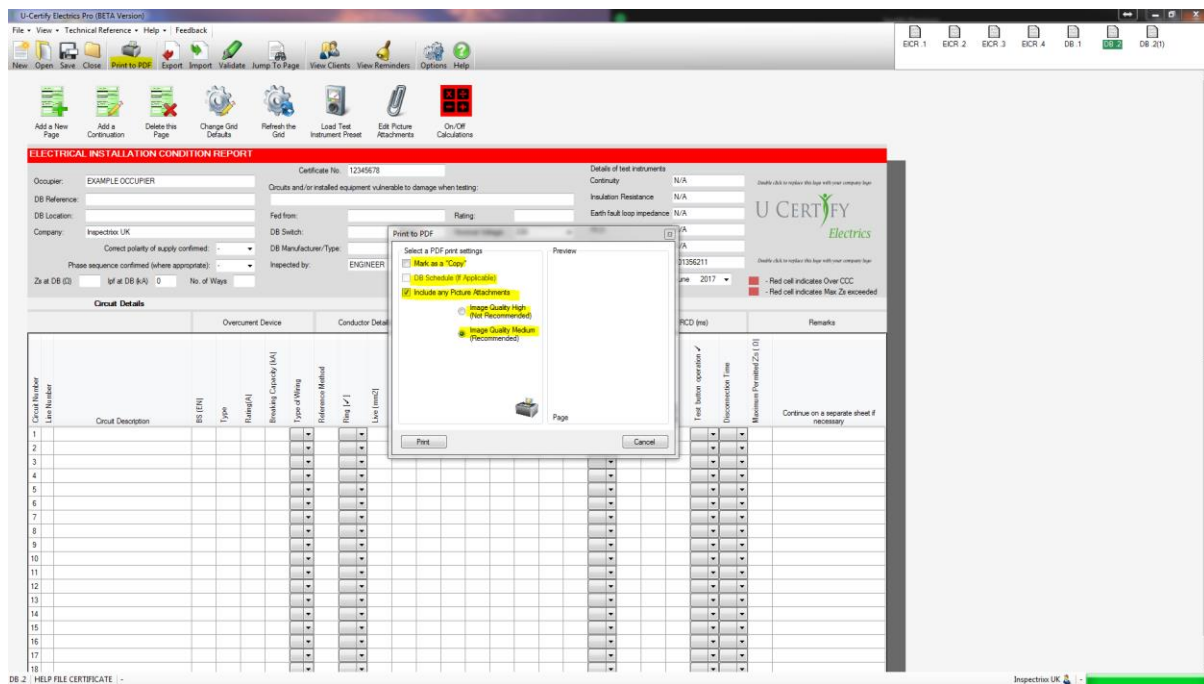
Test Results

Circuit Number	Overcurrent Device	Conductor Details	Ring Final Circuit Continuity (Ω)	(R1+R2) or R2 (Ω)	Insulation Resistance	Polarity	Zs (Ω)	RCD (ms)	Remarks
1									
2									
3									
4									
5									
6									
7									
8									
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17									
18									

Printing.

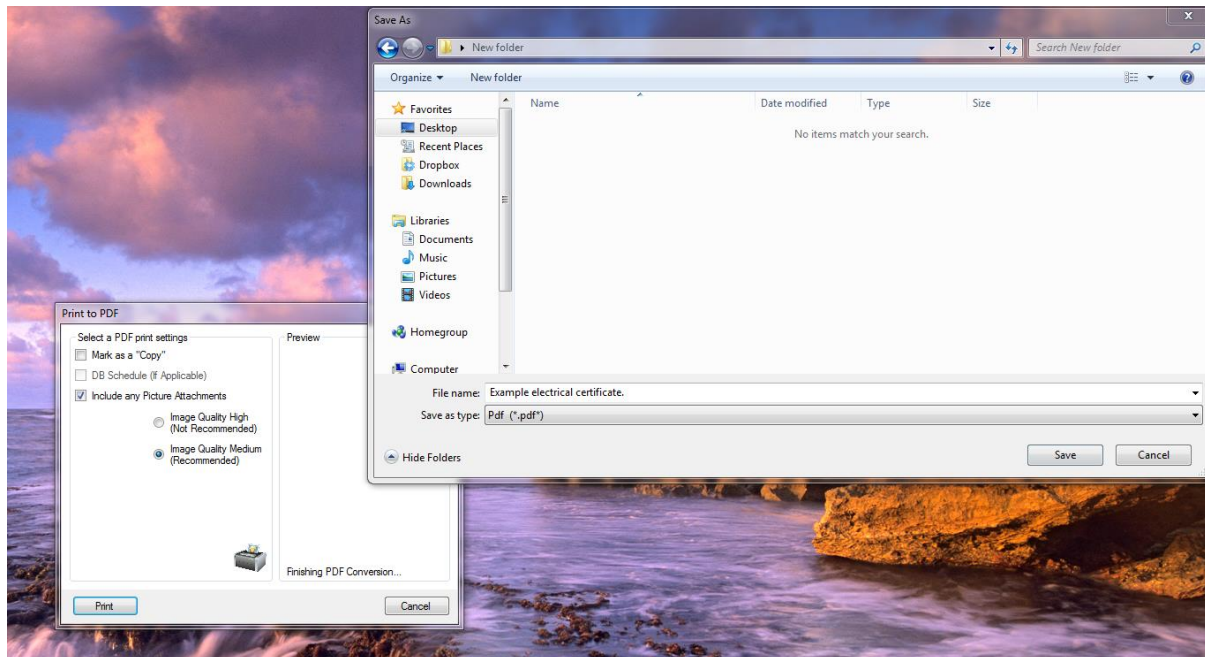
Once you have finished the current certificate and are ready to print to PDF, Click **Print PDF** and a pop up box will appear and there are a few options to choose from as follows:

- Mark as a “Copy” (if this is not selected original will be printed to PDF)
- DB Schedule
- Included any Picture Attachments



Printing continued.

Once the software has finished converting the certificate to PDF, you can choose where to save the PDF and name it.



Printing continued.

Now that the Certificate is in PDF, you can print using your PC's PDF viewer and your printer.

ELECTRICAL INSTALLATION CONDITION REPORT

Double click to replace this logo with your company logo

U CERTIFY
Electrics

Double click to replace this logo with your company logo

Certificate No: 12345678 Inspected by: ENGINEER

SECTION A: DETAILS OF THE CLIENT/PERSON ORDERING THE REPORT

Name: EXAMPLE
Address: EXAMPLE ADDRESS

SECTION B: REASON FOR PRODUCING THIS REPORT

Electrical installation condition report requested by client.
Date(s) on which inspection and testing was carried out: 13 June 2017

SECTION C: DETAILS OF THE INSTALLATION THAT IS THE SUBJECT OF THIS REPORT

Occupier: EXAMPLE OCCUPIER Address: EXAMPLE SITE ADDRESS

Details of premises: Industrial Address details: N/A
Estimated age of wiring: >10 Years
Evidence of additions/alterations: Yes Yes, estimate age: >10 Years
Installations record available? (Regulation 621.1): Yes Date of last inspection: 13 June 2017

SECTION D: EXTENT AND LIMITATIONS OF INSPECTING AND TESTING

Extent of electrical installation covered by this report:
Visual inspection of supplies terminal equipment, inspection & test of main protective & supplementary bonding & final circuits. Due to limitation of access, lighting circuits may be tested at the switch. Supplies not provided by a distributor (e.g. photovoltaic) are excluded.

Agreed limitations including the reasons (Regulation 634.2): Testing to be carried out in accordance with GND guidelines.

No disturbance of building fabric, fittings or sealed covers. No testing of boiler controls & circuits, emergency lighting, fire & intruder alarms and portable appliances. L-L, IR test where practicable.

Operational Limitations including the reasons: Agreed with: Client

The inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS 7671: 2008 (IET Wiring Regulations) amended to and 3 2015. It should be noted that 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. Inspection of accessible roof space housing other electrical equipment only if practicable. Limitation (LIM) 5.1 Limitation (LIM) 5.2 Limitation (LIM) 5.3 Limitation (LIM) 5.4 Limitation (LIM) 5.4.1 Limitation (LIM) 5.5 Limitation (LIM) 5.6 Limitation (LIM) 5.7 Limitation (LIM) 5.8 Limitation (LIM) 5.9 Limitation (LIM) 5.10 Limitation (LIM) 5.11 Limitation (LIM) 5.12.1 Limitation (LIM) 5.12.2 Limitation (LIM) 5.12.3 Limitation (LIM) 5.12.4 Limitation (LIM) 5.13 Limitation (LIM) 5.14 Limitation (LIM) 5.15 Limitation (LIM) 5.16 Limitation (LIM) 5.17 Limitation (LIM) 5.17.1 Limitation (LIM) 5.17.2 Limitation (LIM) 5.17.3 Limitation (LIM) 5.17.4 Limitation (LIM) 5.18 Limitation (LIM) 5.19 Limitation (LIM) 5.20 Limitation (LIM) 5.21 Limitation (LIM) 6.1 Limitation (LIM) 6.2 Limitation (LIM) 6.3 Limitation (LIM) 6.4 Limitation (LIM) 6.5 Limitation (LIM) 6.6 Limitation (LIM) 6.7 Limitation (LIM) 6.8 Limitation (LIM) 7.1

SECTION E: SUMMARY OF THE CONDITION OF THE INSTALLATION

General condition of the installation in terms of safety:
On completion of any remedial works, this installation would be generally satisfactory

Overall assessment of the installation in terms of its suitability for continued use: **Unsatisfactory**

*An unsatisfactory assessment indicates that dangerous (code C1) and/or potentially dangerous (code C2) and/or further investigation has been deemed required (code F1) conditions have been identified.

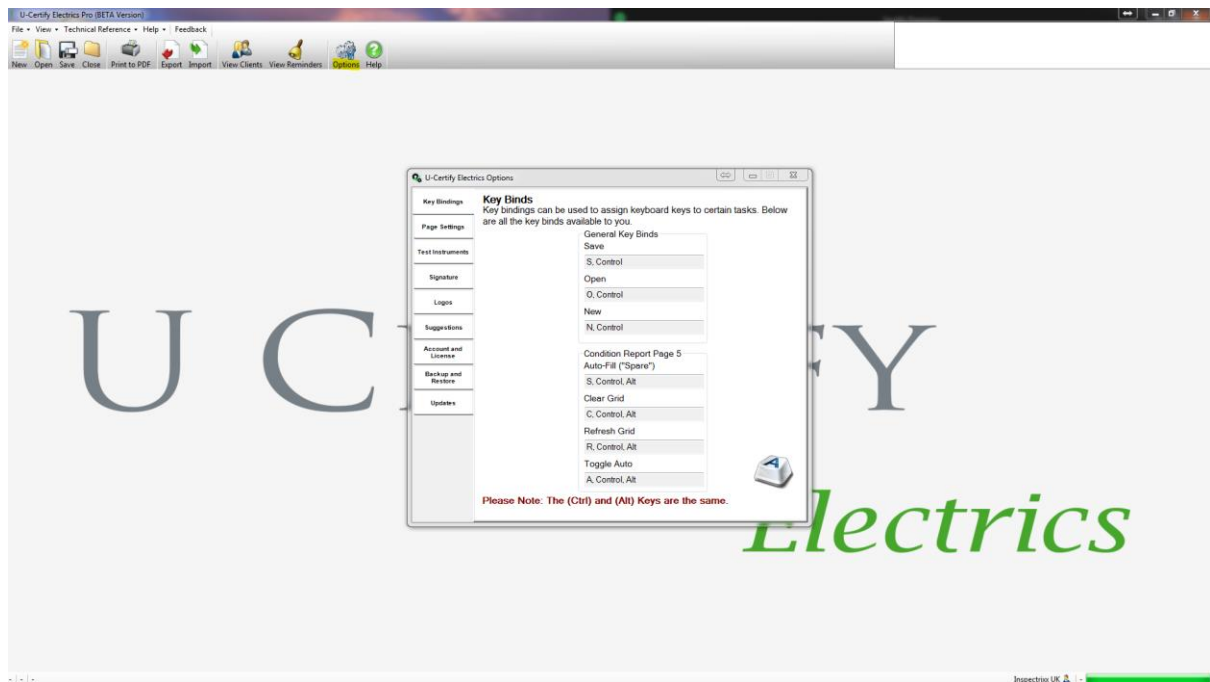
SECTION F: RECOMMENDATIONS

Where the overall assessment of the suitability of the installation for continued use above is stated as UNSATISFACTORY, I/we recommend that any observations classed as 'Danger present' (code C1) 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 F1). Observations classed as 'Improvements recommended' (code C3) should be given due consideration.

10, This form is based on the model shown in Appendix 6 of BS 7671:2008 amended 2015. Page: 1 of 9 (Original)

User Defaults

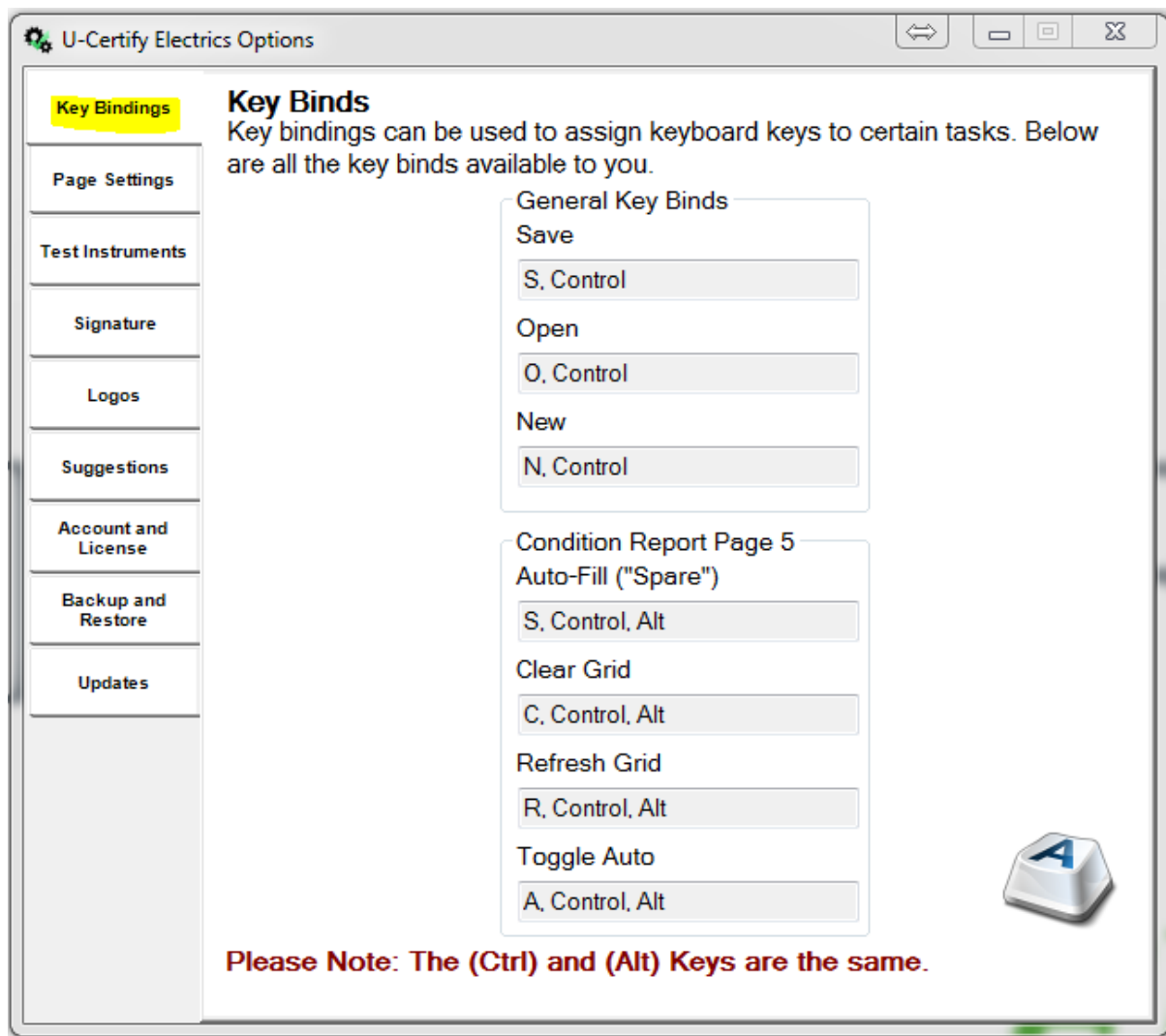
To adjust user defaults click **options** at the top of the software and a pop menu will appear with many options which can be managed.



User Defaults Continued.

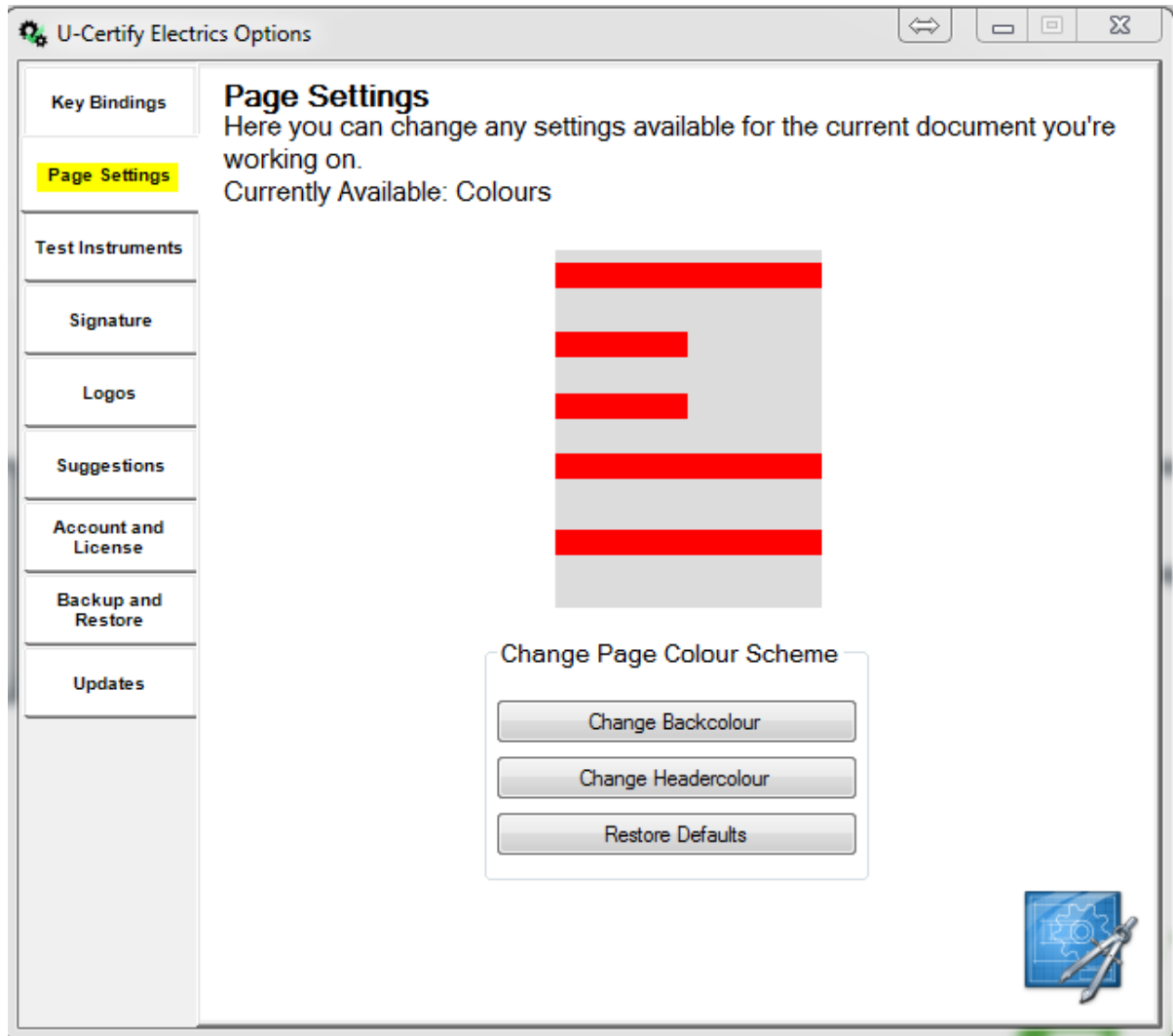
Key Bindings

Key bindings can be used to save the user time whilst using the software and a list available to you are below.



User Defaults Continued.

Page Settings



User Defaults Continued.

Test instruments

U-Certify Electrics Options

Key Bindings

Page Settings

Test Instruments

Signature

Logos

Suggestions

Account and License

Backup and Restore

Updates

Test Instruments

Add all the test instruments here. All instruments will be linked to a name which you can use when necessary.

Current Default: Engineer 1 Remove Default

New Test Instruments

Continuity

Insulation Resistance

Earth fault loop impedance

RCD

Earth electrode resistance

Multifunction

Engineer:

Save

Save & Make Default

Existing Test Instruments

Engineer

Engineer 1

Continuity

Insulation Resistance

Earth fault loop impedance

RCD

Earth electrode resistance

Multifunction

Save

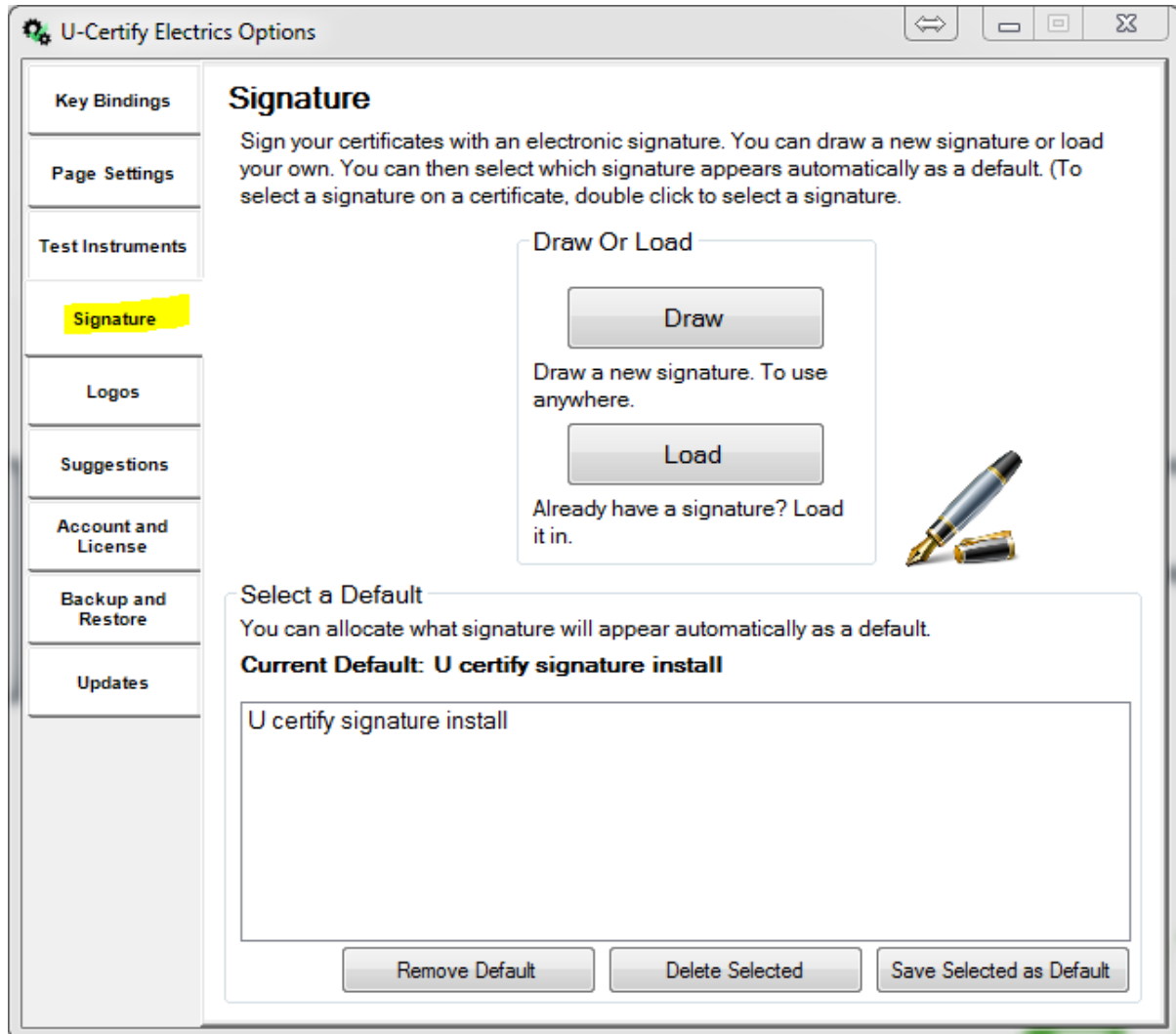
Delete Entry

Set as Default

Page 41 of 47

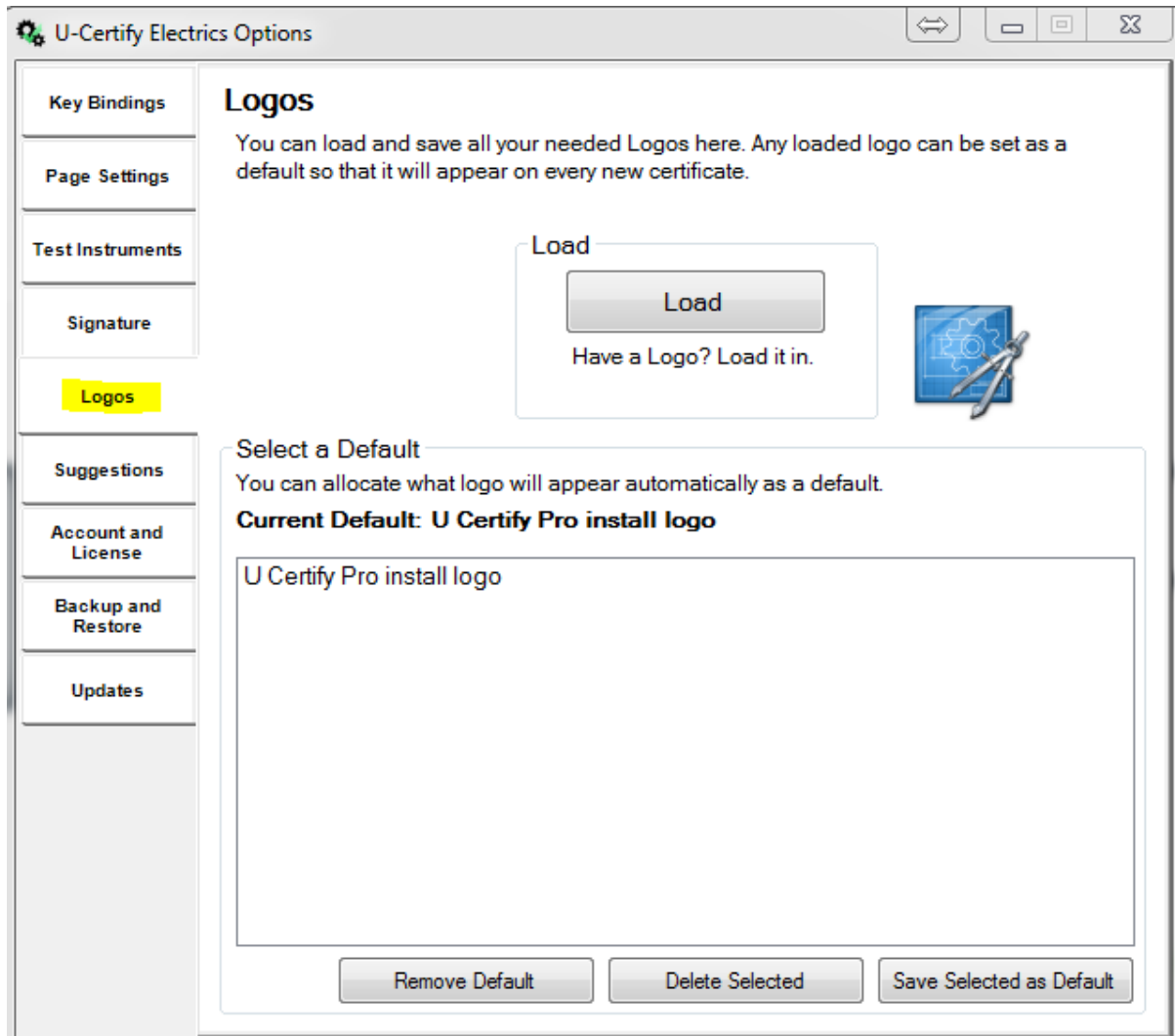
User Defaults Continued.

Signature



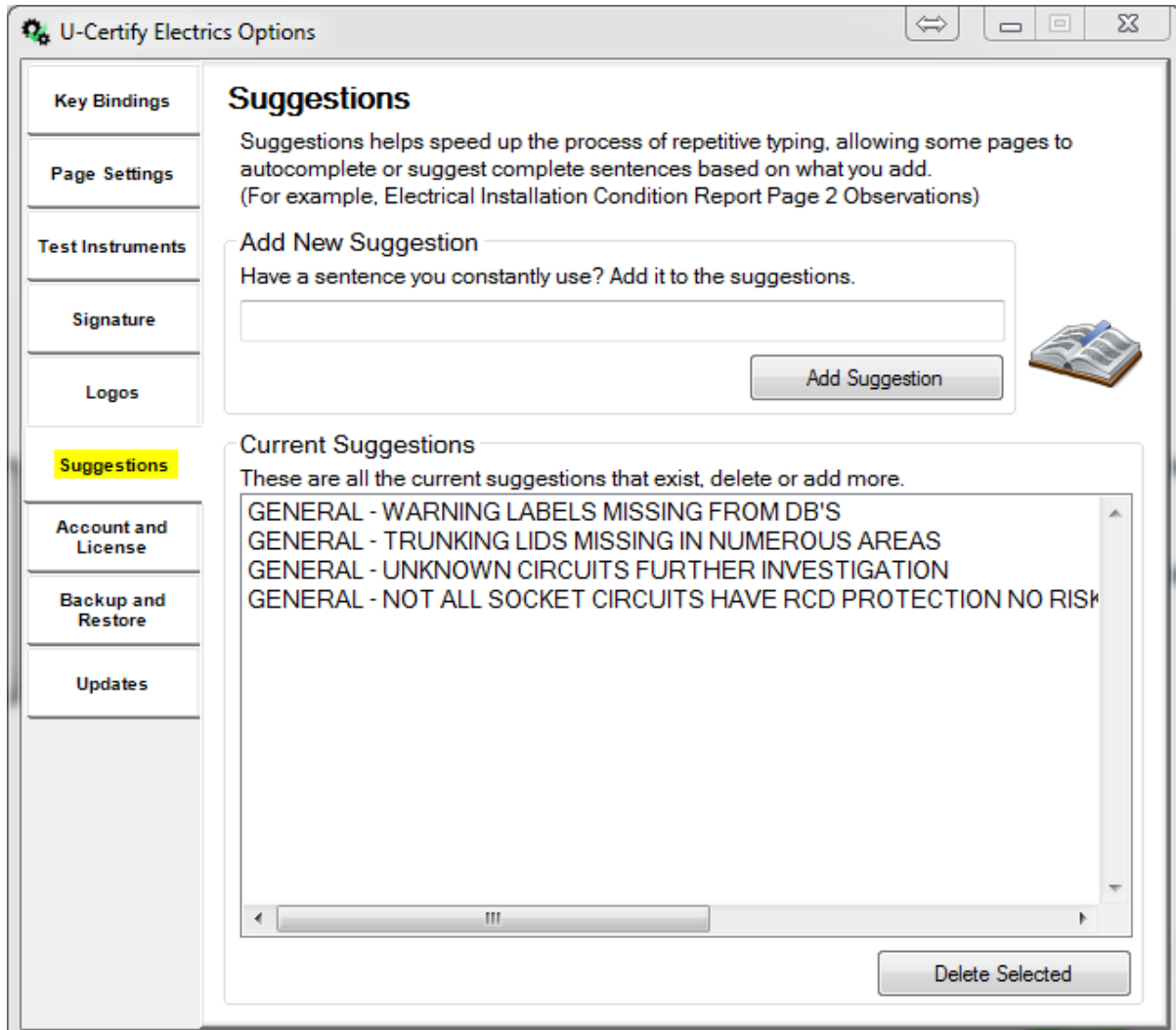
User Defaults Continued.

Logos



User Defaults Continued.

Suggestions



U-Certify Electric Options

Key Bindings

Page Settings

Test Instruments

Signature

Logos

Suggestions

Account and License

Backup and Restore

Updates

Suggestions

Suggestions helps speed up the process of repetitive typing, allowing some pages to autocomplete or suggest complete sentences based on what you add.
(For example, Electrical Installation Condition Report Page 2 Observations)

Add New Suggestion
Have a sentence you constantly use? Add it to the suggestions.

Add Suggestion

Current Suggestions
These are all the current suggestions that exist, delete or add more.

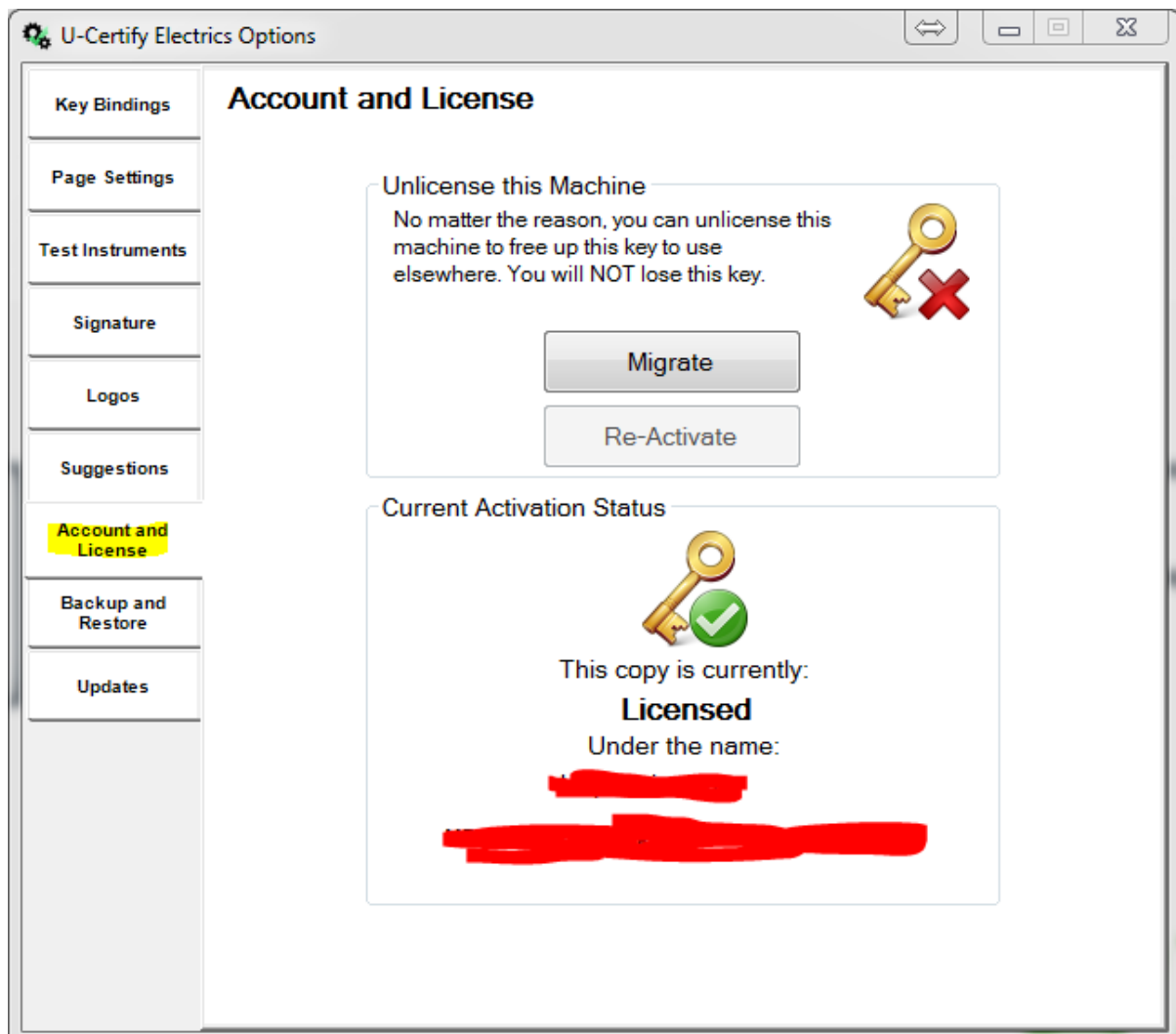
GENERAL - WARNING LABELS MISSING FROM DB'S
GENERAL - TRUNKING LIDS MISSING IN NUMEROUS AREAS
GENERAL - UNKNOWN CIRCUITS FURTHER INVESTIGATION
GENERAL - NOT ALL SOCKET CIRCUITS HAVE RCD PROTECTION NO RISK

Delete Selected

Internet Facilities

Accounts and License

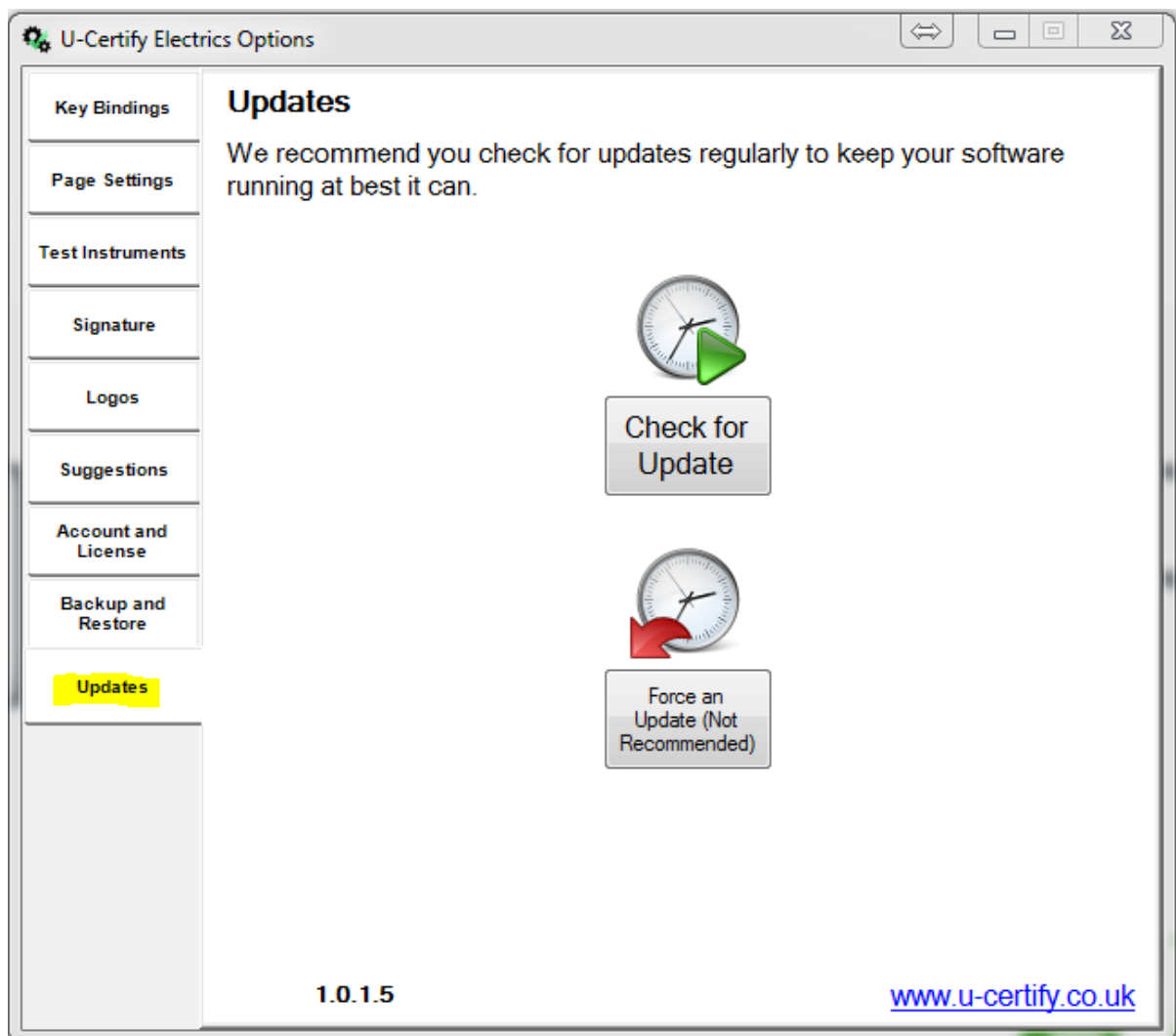
In this section it will display the Company name the software is registered to and what license key is currently being used.



Internet Facilities continued.

Updating the Software.

To check for updates and update the software click **check for update**. Please note it is **very important** to either disable any firewall or antivirus or add the U Certify updater to the list of exceptions to stop the Antivirus software from interrupting the update.



Internet Facilities continued.

Updating the Software.

Once the Update has been found and has begun a message will appear and it will warn you that it **is very Important** to **either disable any firewall or antivirus or add** the U Certify updater to the list of exceptions to stop the Antivirus software from interrupting the update.

