

# Megger<sup>®</sup>

## **PowerSuite<sup>®</sup> On-Site**

**Featuring**

**PowerSuite Professional  
Pro-Lite 16th software and  
Ultra Mobile software**

**User Guides**

## **Ultra Mobile Product Features**

- Real-time Bluetooth® result capture from Megger MFT1553 Installation Tester
- Support for Palm v5, Windows Mobile 2003, Windows Mobile 2005, Windows Mobile 5 for Smartphones and Symbian S60 Version 3 devices
- Selective certificate template installation on mobile device
- Easy to use split screen data entry
- Create certificates on mobile device or in PowerSuite Professional
- Simple Inbox/Outbox device synchronisation from PowerSuite
- Support for multiple device licences from one PowerSuite installation
- Device specific font zoom feature
- Common interface across all mobile devices
- Full screen list selection
- Keyboard, button and stylus support
- Supports portrait and landscape displays

## **PowerSuite Pro-Lite 16th Product Features**

- Integrated contact manager, download manager and certificate manager
- Multi-level contact tree for storing companies, clients and locations
- Real-time Bluetooth result capture from Megger MFT1553 Installation Tester
- Compatible with Megger downloading test instruments (CM500, BMM/LCB, MIT330, LTW335, RCDT330)
- Wizard driven tasks
- Fast completion of on-screen forms with powerful editing features
- Many certificate template styles supported

## **Recommended System Requirements (Mobile Device)**

- Windows mobile 2005 operating system
- 64MB of RAM
- Docking cradle or USB cable
- Microsoft ActiveSync synchronization software
- 50MB of free hard disk space on PC for Ultra Mobile installation
- Integrated Bluetooth or Bluetooth adapter (for Megger MFT1553 real time result capture)

## **PowerSuite Pro-Lite 16th Recommended System Requirements (PC)**

- CD-ROM drive
- PowerSuite Professional software installed
- Pentium IV class processor 2.4GHZ
- Microsoft Windows 2000 operating system (Microsoft Windows XP recommended)
- 256Mb recommended
- 100 Mb Ram for typical PowerSuite installation
- VGA or higher resolution monitor, minimum 800 x 600 resolution
- Microsoft Mouse or compatible pointing device
- A default printer needs to be made available for viewing/printing certificates and reports
- Integrated Bluetooth or Bluetooth dongle (for Megger MFT1553 real time result capture)

## Installation

The software installation consists of the following steps:

- Step 1 – Install the PowerSuite Pro-Lite 16th and Ultra Mobile software on your PC or laptop
- Step 2 – Run PowerSuite and complete the Setup wizard
- \*Step 3 – Install the Ultra Mobile software on your mobile device
- \*Step 4 – Synchronise with your mobile device in PowerSuite using the 'Mobile' module and install the required certificate templates

\* Required for Ultra Mobile users only

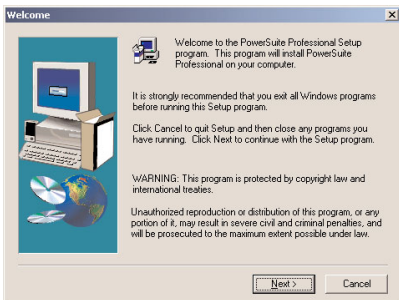
## Pre-Installation Notes (Ultra Mobile)

N.B. Before installing the Ultra Mobile software, ensure that you have installed and performed a successful synchronisation using the software that was supplied with your mobile device. Megger Technical Services cannot provide technical support on the installation and setup of this synchronisation software.

## Step 1 – PowerSuite Pro-Lite 16th and Ultra Mobile Installation

N.B. please close all Windows programs before installing as any running programs may stop critical files from being installed correctly and result in an incomplete installation.

If the PowerSuite CD does not auto run when inserted, you will have to manually run the Setup.exe program from your CD-ROM drive. (e.g. "D:\Setup.exe") The following screen will be displayed:



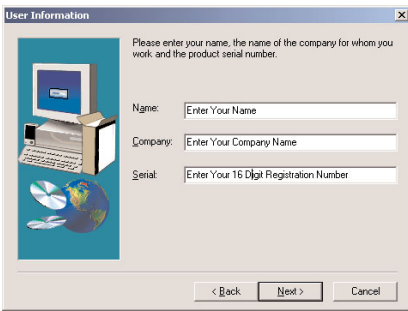
The PowerSuite software will be installed and updated at the same time as the Ultra Mobile software is installed. Follow the installation prompts and accept the default values where possible.

## Registration

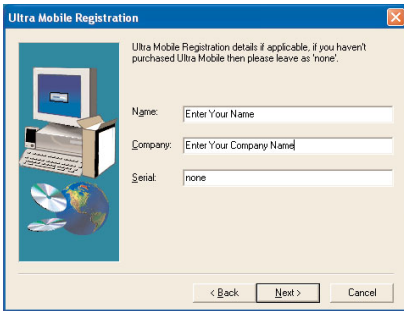
The registration card supplied with your software will have space for two 16 digit registration numbers. One of these numbers is for PowerSuite and the other is for the Ultra Mobile software.

The prompt for the PowerSuite registration details and registration number will be displayed first.

The 16-digit registration numbers for PowerSuite and Ultra Mobile can be found at the foot of the registration card included with the software.



When these details have been entered (or confirmed if you already have PowerSuite installed), you will then be prompted to enter your Ultra Mobile registration number.



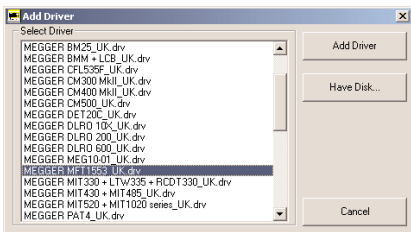
Any registration numbers should be entered in one string with no spaces or dashes. To help identify numbers they will be underlined on the registration card. Your registration number will be validated on the second stage of the installation procedure.

N.B. Please complete and return your registration card to Megger Technical Services as soon as possible to receive telephone support and software updates.

N.B. If you have purchased a version of PowerSuite without the Ultra Mobile software you can enter past the Ultra Mobile registration screen and leave the registration number as 'none'.

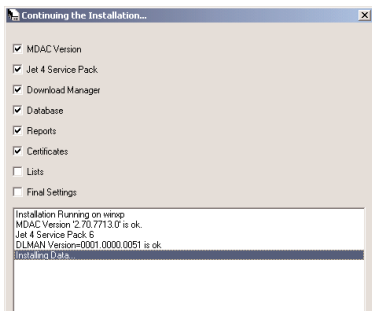
You will be required to restart your machine during the installation and once it has been restarted, the remaining installation steps will be carried out.

Megger Download Manager will be installed and it is recommended that you select the default options for this installation. You may be prompted with the following screen to add test instrument drivers.




Select the Megger downloading test instruments you currently use and click the 'Add Driver' button (Hold down the control key and click to select multiple instruments from the list).

When you close the Download Manager program, the remaining installation steps will be carried out.



Once the remaining installation steps have been completed you can continue with Step 2.


## Step 2 - Run PowerSuite and complete the Setup wizard

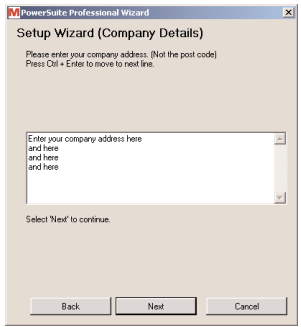
From the windows  Start menu , select PowerSuite Professional from the Programs | PowerSuite Professional group.



Type 'Supervisor' in the 'User ID' field on the Login screen and click the 'Start' button to run the software.

## Setup Wizard

The first time that you run the software, the setup wizard will guide you through creating your own company contact 



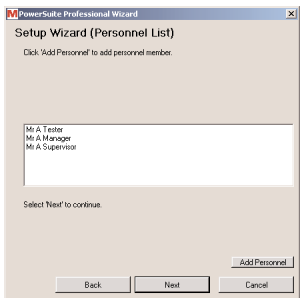
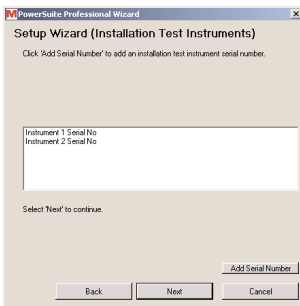
You will be prompted for company name, address, postcode and telephone numbers.

You will then be prompted to select a certificate header page to append to the front of any certificates that you generate.



Select 'No Header' if you do not want a certificate header page.

You will be prompted by the wizard to enter details of your test instrument serial numbers and personnel.



These details will be available as drop down lists when editing certificates) You can amend these lists at any time in PowerSuite by selecting the 'List Editor...' option from the 'Programs' menu on the main PowerSuite shell.

Continue with steps 3 and 4 only if you wish to install the Ultra Mobile software. Once you have completed the setups, you can continue with the 'Basic Operation' sections for either Pro-Lite 16th or Ultra Mobile.

### Step 3 - Install the Ultra Mobile software on your mobile device

With PowerSuite running, click the large 'Mobile' button  on the PowerSuite toolbar to load the Ultra Mobile Module.

The Mobile Device installation Wizard should start automatically to display the following screen:



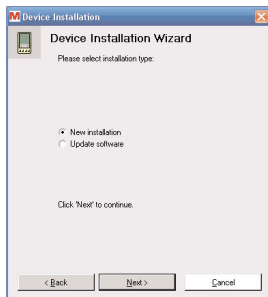
If the Mobile Device Installation Wizard does not automatically start, select 'Install Software on Mobile Device' from the Options menu.

The Mobile Device Installation Wizard will ask you to select the type of Mobile Device you intend to use.



Select the required device and click the 'Next' button.

The next screen will ask if this is a new installation on this mobile device or if you are updating the software on the device.



The default prompt will be for a new installation. Click the 'Next' button and then follow the instructions for the type of device you are installing onto.

## (Windows Mobile, Smartphone, Symbian S60 V3)

If you select 'Windows Mobile', 'Smartphone' or 'Symbian S60 V3' the following prompt will be displayed:



Ensure the Mobile Device is connected and Microsoft ActiveSync is running before clicking the 'Next' button to start the software installation.



Ultra Mobile software will be installed on the Mobile Device. Once the software installation has completed, you will be prompted to check the mobile device screen.

N.B. The software installation may take a few minutes.



You may be required to initiate the Ultra Mobile software installation on the device. Once the Ultra Mobile installation has completed, click the 'OK' button.

Once the software has been successfully installed you will be prompted to register a unique user id with PowerSuite.





Click the 'Next' button to display a prompt screen with an entry field for a user id.



The user id you enter here is very important and the Ultra Mobile Module will use it to link specifically with the device you have installed the software onto. As it is possible to install the Ultra Mobile software onto multiple devices if you are licenced to do so, each user will have their own synchronising settings. The user id could be entered to identify the specific mobile device or it could be the name of an engineer. Once you have entered your unique user id click the 'Next' button.

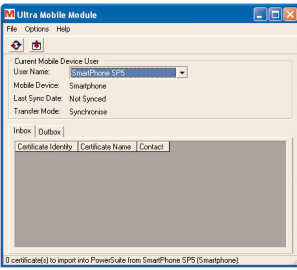


You will be prompted to click the 'Next' button to register the user on the device.

Once the user has been registered the following screen will be displayed:



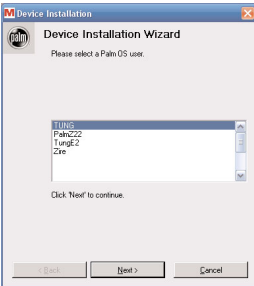
Click the 'Finish' button and continue with Step 4.



There will also be a status of 'Not Synced' against the Last Sync Date. This status will be updated once you have uploaded your selected certificate templates in the next step.

### (Palm Only)

If you select 'Palm' from the device list the following prompt will be displayed:



This screen displays a list of all Mobile Device users that have been 'HotSynced' with your PC. Select the required user id and click the 'Next' button.



A confirmation screen will be displayed to inform you that the software is about to be prepared for installation onto the device. Click the 'Next' button to continue.


The final Ultra Mobile Wizard screen will be displayed for the Palm installation.

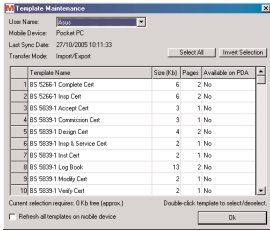



The remaining installation steps listed on this screen will need to be followed to complete the installation. First initiate a standard HotSync with the Palm to install the Ultra Mobile software.

Lastly click the 'Finish' button and continue with the following step to upload the required certificate templates to the Palm.

## Step 4 - Synchronise with your mobile device in PowerSuite using the 'Mobile' module and install the required certificate templates

You now need to synchronise with the device using the Ultra Mobile Module and upload the required certificate templates. The following template maintenance screen may be loaded automatically, otherwise click the 'Synchronise' button on the Ultra Mobile Module toolbar . The following template maintenance screen should be displayed.



Scroll up and down the list to view all the available certificate templates. Double click on the required certificate template name to change the status from 'No' to 'Yes'. Any templates with a status of 'Yes' will be uploaded to the Mobile Device. Click the  button to close the template maintenance screen. The selected templates will be automatically uploaded to the device.

Once you have completed all the installation steps, you can continue with the Basic Operation section for Ultra Mobile or Pro-Lite 16th.

### Ultra Mobile - Basic Operation

The Ultra Mobile software has been designed to be flexible in its operation. Certificates can be generated in PowerSuite and transferred to Ultra Mobile via local synchronisation, removable media or email, or new certificates can be created from scratch on your Mobile Device and transferred back to PowerSuite for final certification.


Below are listed three methods of operation, Standard, Intermediate and Advanced. These sections assume that you have already completed the necessary steps to set up your clients and locations in PowerSuite and you are familiar with the basic operation of creating new certificates.

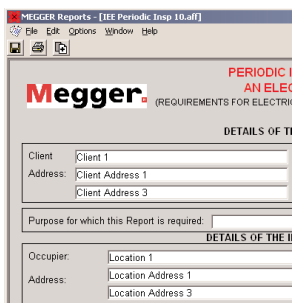
### Standard Operation - Synchronisation

This method of operation involves a direct connection between PC and Mobile Device via a USB cable or cradle.

#### Method 1

1. (PC) Run the Certificate Wizard in PowerSuite to create a new Installation Testing certificate for your selected location.

First highlight the correct location in the contact tree  and click the large Certificate Wizard button . When you are prompted to select the type of certificate be sure to select 'Installation Testing'. Complete the remaining wizard prompts finally selecting the certificate number, then click the 'Finish' button to create the certificate and display it on screen.

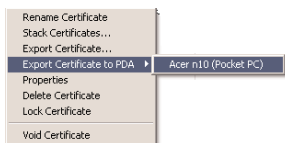


You can part complete any data fields on the certificate before closing it and returning to the Certificate Manager screen.

## 2. (PC) Export the certificate to the Ultra Mobile Module.

To export the certificate you have created to the Ultra Mobile Module first ensure you have the 'Edit/View an Existing Certificate' tab highlighted in the certificate manager in PowerSuite and you also have the correct location highlighted. Right click on the certificate you wish to export to display a pop up menu.

Select the 'Export Certificate to Mobile Device' option from the pop up menu, and then select the Device User Name from the next pop up menu.



Select 'Yes' to the confirmation prompt to upload to the Ultra Mobile Module.

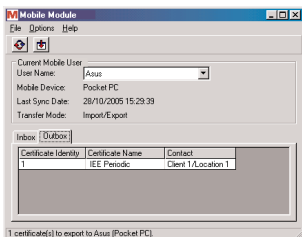
N.B. Once the certificate has been exported from PowerSuite into the Ultra Mobile Module it will be locked and cannot be edited in PowerSuite.

## 3. (PC) Load the Ultra Mobile Module and check the certificate is in the Mobile 'Outbox' ready to be synchronised with the Mobile Device.

You can now load the Ultra Mobile Module by clicking the large 'Mobile' button on the PowerSuite toolbar.




Once the module has loaded, ensure the required User Name is selected from the drop down list, and click the 'Outbox' tab.





You should see your certificate in the 'Outbox' ready to be synchronised with the Mobile Device.


- (PC) Ensure the device is connected to the PC via a USB cable or docking station and the Ultra Mobile program is NOT running.
- (PC) Synchronise from the Ultra Mobile Module to transfer the certificate to Ultra Mobile.


Click the 'Synchronise' button on the Ultra Mobile Module toolbar  and the certificate will be transferred from the Ultra Mobile Module 'Outbox' to Ultra Mobile. Once the certificate has been transferred you can close the Ultra Mobile Module.

N.B. Pressing F5 will refresh the 'Outbox', this is necessary if the Ultra Mobile Module is open when a certificate is exported from PowerSuite.

- (Mobile Device) Run the Ultra Mobile program on the device and load and edit the certificate as required.

To start the Ultra Mobile program on a Windows Mobile PDA, open the Programs folder and click the 'Ultra Mobile' icon . To start the Ultra Mobile program on the Palm, open the 'All' category and click the 'Ultra Mobile' icon .

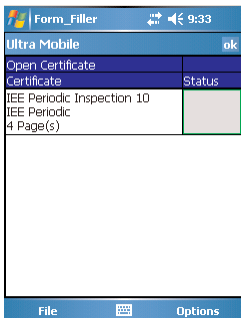
To start the Ultra Mobile program on a Windows Mobile 5 SmartPhone, click the 'Ultra Mobile' icon  from the Start menu.

To start the Ultra Mobile program on a Symbian S60 device, open the 'Installations' folder from the main Symbian start screen and click the 'Ultra Mobile' icon .



The Ultra Mobile welcome screen will be displayed for 2 seconds and you can click or tap the screen to load the program. (You can switch off the welcome screen from the Preferences menu)

Like PowerSuite, the Ultra Mobile software has a simple to use built in certificate manager. The certificate manager defaults to the 'Open Certificate' screen but can easily be switched from the File menu to create new certificates.



The certificate you exported from PowerSuite will be displayed and you can highlight it and click or tap on the certificate name to load it.

Certificate Number	
Client Name	Client 1
Client Address1	Client Address 1
Client Address2	Client Address 2
Client Address3	Client Address 3
Client Address4	Client Address 4
Purpose of Report	

The certificate pages will be loaded and the first page of the certificate will be displayed ready for editing. The top two rows show the current page and section.

You can move between pages in three ways. Clicking on the current page name will

show a drop down list selection of the available pages in the certificate

Tap or click on the page you wish to load. You can also tap or click on the Options menu at the bottom right of the screen and select 'Select Page...'

Alternatively you can use the left and right navigation controls on your mobile device to move between pages.

All pages are split up into sections where possible to help make data entry easier. The program defaults to showing the first section when loading the page, but this can be changed to default to (All Sections) in the preferences. You can move between sections on a page in three ways. Clicking or tapping on the current section name will show a drop down selection of the available sections on the page

Tap or click on the section you wish to load. You will also have the option of displaying (All Sections) on the page. You can also tap or click on the Options menu at the bottom right of the screen and select 'Select Section...'

Alternatively if you use the up and down navigation controls on your mobile device you will see the section change automatically as you navigate beyond the last/first field in the section.

The main area of the screen is divided into a two-column grid with labels in the left hand column and space for entering data in the right hand column.

Certificate Number	
Client Name	Client 1
Client Address1	Client Address 1
Client Address2	Client Address 2
Client Address3	Client Address 3
Client Address4	Client Address 4
Purpose of Report	

You can enter data by clicking in one of the fields in the right hand column and using one of the available input methods on the mobile device to enter text. Some of the data entry fields will contain drop down lists.

The screenshot shows a mobile application interface with a blue header bar containing 'Form\_Filler', signal strength, and time '10:20'. Below the header is a status bar 'BT (-) Ultra Mobile' with an 'ok' button. The main form area contains several fields: 'IEE Periodic (P1)' with a dropdown menu open, 'Installation Details', 'Occupier Name', 'Location Address1-4', 'Description of Premises' (with a dropdown menu open), 'Age of Installation (years)', 'Evidence of Alterations' (with 'Yes' entered), and 'Age of Alterations (years)'. At the bottom, there are 'File' and 'Options' buttons.

If a field has a list available you will see a small drop down arrow at the right hand edge when the field is being edited. Tapping or clicking on this arrow will display the drop down list in the grid. You can scroll up and down the list and tap or click to make a selection. You can also see the drop down list full screen by clicking the button when the field is being edited.

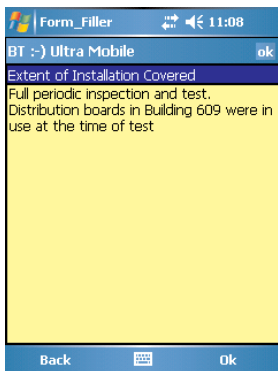
This screenshot shows a full-screen dropdown list for the 'Description of Premises' field. The list includes: Domestic, Commercial, Educational Establishments, Industrial, Cinemas, Leisure Complexes, Places of Public Entertainment, Restaurants and Hotels, Theatres, Agricultural and Horticultural, Caravan Parks, Highway Power Supplies, and Emergency Lighting. A 'Back' button is at the bottom.

The current selected list item will be highlighted and you can scroll up and down and tap or click to select an item from the list. If you select the Back option from the menu, the list selection will be cancelled and you will be returned to the grid. You also have the option of entering data manually for these fields if you do not want to select an item from the list.

Some fields are defined as date input fields. If you click on one of these types of fields a date selector will be displayed.

The screenshot shows the mobile application interface with a blue header bar containing 'Form\_Filler', signal strength, and time '11:03'. Below the header is a status bar 'BT (-) Ultra Mobile' with an 'ok' button. The main form area shows the 'Date of Last Inspection' field with a date selector displayed. The date selector shows 'March 2007' and a calendar grid with the date '12' selected. At the bottom, there are 'Back' and 'Ok' buttons.

Once you have selected the required date tap or click on the 'OK' menu option to return to the certificate entry screen.



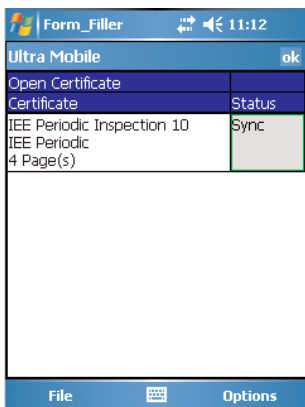
Some fields allow you to enter more than one line of text. When you click on one of these multi-line input fields a multi-line text input screen will be displayed.

Once you have entered all the text in a multi-line input field tap or click on the 'OK' menu option to return to the certificate entry screen.

Once you have finished editing the certificate, select the 'Close Certificate' option from the File menu to return to the certificate manager screen.

- (Mobile Device) Mark the certificate as completed in the Ultra Mobile software.

You can continue to edit and make changes to the certificate as required. Once you have finished editing and wish to transfer the certificate back to PowerSuite you will need to alter the status of the certificate in the Ultra Mobile certificate manager.



The 'Status' column in the certificate manager has three states for each certificate, <blank> (work in progress), 'Sync' (ready for synchronisation), and 'Export' (transfer to removable media or email). Tap or click on this status column to set it to 'Sync', and ready for transferring back to PowerSuite.

Close the Ultra Mobile software by selecting 'Exit' from the File menu in the certificate manager.

- (PC) Ensure the Mobile Device is connected to the PC via a USB cable or docking station ready to be synchronised.

Load the Ultra Mobile Module by clicking the large 'Mobile' button on the PowerSuite toolbar



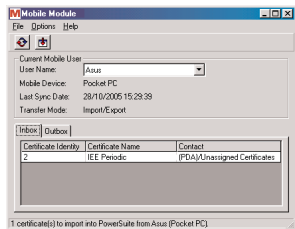
Ensure that the required User Name is selected from the drop down list, and select the 'Inbox'. Click the 'Synchronise' button on the Ultra Mobile Module toolbar



The certificate will be transferred from the Mobile Device back into the



'Inbox' in the Ultra Mobile Module.



The certificate is now ready to be imported back into PowerSuite.

## 9. (PC) Import the certificate back into PowerSuite from the Ultra Mobile Module.

Click on the 'Transfer Certificate' button  and the certificate will be moved from the Ultra Mobile Module back to the correct location in PowerSuite.



Close the Ultra Mobile Module and press the F5 button to refresh the PowerSuite Certificate Manager. The original certificate will be unlocked and can be edited and printed as required.


## Method 2


This method describes a new certificate being generated on the Mobile Device.


### 1. (Mobile Device) Run the Ultra Mobile software on the Mobile Device and create a new certificate from one of the available templates.

With this method of operation the first step is to create a new Installation Testing certificate on the Mobile Device by selecting one of the available templates.

To start the Ultra Mobile program on a Windows Mobile PDA, open the Programs folder and click the 'Ultra Mobile' icon . To start the Ultra Mobile program on the Palm, open the 'All' category and click the 'Ultra Mobile' icon .

To start the Ultra Mobile program on a Windows Mobile 5 SmartPhone, click the 'Ultra Mobile' icon  from the Start menu.

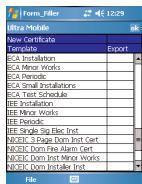
To start the Ultra Mobile program on a Symbian S60 device, open the 'Installations' folder from the main Symbian start screen and click the 'Ultra Mobile' icon .

The Ultra Mobile welcome screen will be displayed  for 2 seconds and you can click or tap the screen to load the program. (You can switch off the welcome screen from the Preferences menu)

Like PowerSuite, the Ultra Mobile software has a simple to use built in certificate manager. The certificate manager defaults to the 'Open Certificate'

screen but can easily be switched from the File menu to create new certificates.

Select the 'New Certificate...' option from the File menu.



A list of the available certificate templates will be displayed. Tap or click on the required template to create and load a new certificate.

The certificate pages will be loaded and the first page of the certificate will be displayed ready for editing.

2. (Mobile Device) Edit the new certificate in the Ultra Mobile software.

Refer to steps 6, 7 and 8 in Basic Operation Method 1 for information on editing, marking the certificate as completed and synchronising with PowerSuite.

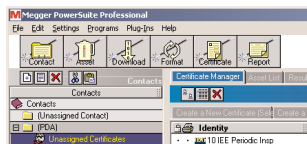
3. (PC) Import the certificate back into PowerSuite from the Ultra Mobile Module.



Click on the 'Transfer Certificate' button and the certificate will be moved from the Ultra Mobile Module to the '(Mobile Device)' contact in PowerSuite.

4. (PC) Move the certificate from the 'PDA Unassigned' contact to the correct PowerSuite location.

Close the Ultra Mobile Module and press the F5 button to refresh the PowerSuite Certificate Manager.



The '(Mobile Device)' contact is automatically created under the '(Unassigned Contact)' at the top of the contact tree and this is a temporary storage location for certificates and data that is not tagged to a specific location.

You can move the certificate from the '(Mobile Device)' contact by dragging it over the required location in the contact tree and releasing the mouse. You can then finish editing and printing the certificate.

## Intermediate Operation - Removable Media


This operation involves the transfer of data via removable media, such as SD card, or Compact Flash card.

### Method 1

This method describes a new certificate being generated in PowerSuite.

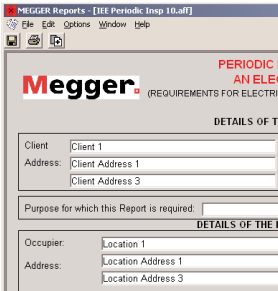
1. (PC) Run the Certificate Wizard in PowerSuite to create a new Installation

Testing certificate for your selected location in PowerSuite.

With this method of operation the first step is to create a new Installation Testing certificate in PowerSuite. Highlight the correct location in the contact tree and click the large Certificate Wizard button .



When you are prompted to select the type of certificate be sure to select 'Installation Testing'. Complete the remaining wizard prompts finally selecting the certificate number and click the 'Finish' button to display the certificate on screen.

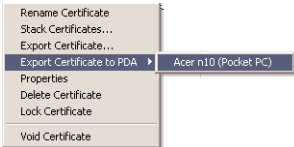


You can complete any additional data fields on the certificate before closing it and returning to the certificate manager screen.

## 2. (PC) Export the certificate to the Ultra Mobile Module.

To export the certificate you have created to the Ultra Mobile Module first ensure you have the 'Edit/View an Existing Certificate' tab highlighted in the certificate manager and you also have the correct location highlighted. Right click on the certificate you wish to export to display a pop up menu.

Select the 'Export Certificate to Mobile Device' option from the pop up menu, and then select the Mobile Device User Name from the next pop up menu.



Select 'Yes' to the confirmation prompt to upload to the Ultra Mobile module.

N.B. Once the certificate has been exported from PowerSuite into the Ultra Mobile Module it will be locked and cannot be edited in PowerSuite.

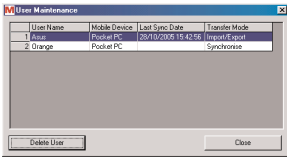
## 3. (PC) Load the Ultra Mobile Module and check the certificate is in the Mobile Device 'Outbox' ready to be exported to the Mobile Device.

You can now load the Ultra Mobile Module by clicking the large 'Mobile' button on the PowerSuite toolbar.

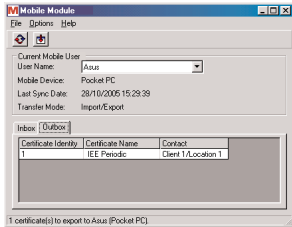


Once the module has loaded, ensure the required User Name is selected from the drop down list, and click the 'Outbox' tab.

N.B. To use the Import/Export method, open the 'Options' menu, and select 'User Maintenance...'. The 'User Maintenance' screen will appear:



For the required User Name, double click in the 'Transfer Mode' field to change from 'Synchronise' to 'Import/Export', and click 'Close'.




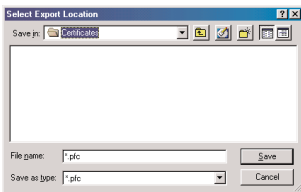
You should see your certificate in the 'Outbox' ready to be exported to the Mobile Device.

4. (PC) Ensure the removable media is connected to your PC.

If you are using an SD card or Compact Flash card this will be via a USB card reader.

5. (PC) Export the certificate to the removable media.

Click the  'Export Certificates to Mobile Device...' button on the toolbar, and a file selector will appear for you to select the export location.



Once you have selected the location of the removable media, click 'Save'.




A window will appear showing the export progress for the current certificate. When finished the window will disappear.


6. (Mobile Device) Transfer the removable media to the Mobile Device.


Disconnect the removable media from the PC, and connect it to the Mobile Device.

7. (Mobile Device) Run the Ultra Mobile program on the Mobile Device.

To start the Ultra Mobile program on a Windows Mobile PDA, open the Programs folder and click the 'Ultra Mobile' icon . To start the Ultra Mobile program on the Palm, open the 'All' category and click the 'Ultra

Mobile' icon  .

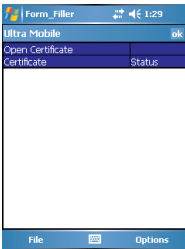
To start the Ultra Mobile program on a Windows Mobile 5 SmartPhone, click the 'Ultra Mobile' icon  from the Start menu.

To start the Ultra Mobile program on a Symbian S60 device, open the 'Installations' folder from the main Symbian start screen and click the 'Ultra Mobile' icon  .



The Ultra Mobile welcome screen will be displayed for 2 seconds and you can click or tap the screen to load the program. (You can switch off the welcome screen from the Preferences menu)

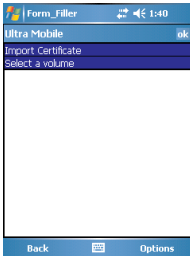
Like PowerSuite, the Ultra Mobile software has a simple to use built in certificate manager. The certificate manager defaults to the 'Open Certificate' screen but can easily be switched from the File menu to create new certificates.



8. (Mobile Device) Import the certificate into Ultra Mobile from the removable media.

Ensure the Open Certificate screen is selected, and from the File menu select the 'Import Certificate(s)...' option  .

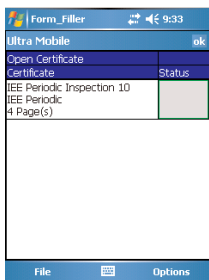
A file selector will appear prompting you to select a location.



Tap or click on the 'Select a volume' row and select the removable media.

You should see your certificate appear in the list, click 'Select' to import.

Once finished importing, you should see your certificate appear in the Open Certificate' screen.



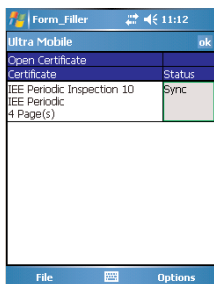
9. (Mobile Device) Edit the certificate in the Ultra Mobile software.

Tap or click on the certificate to select and load it.

Refer to step 6 in Basic Operation Method 1 for information on editing the certificate details.

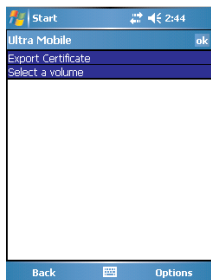
10. (Mobile Device) Mark the certificate as completed in Ultra Mobile and export to removable media.

You can continue to edit and make changes to the certificate as required. Once you have finished editing and wish to export the certificate back to PowerSuite from the Mobile Device you have to mark it as ready to export in the Ultra Mobile certificate manager.



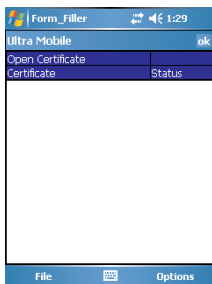
The 'Status' column in the certificate manager has three states for each certificate, <blank> (work in progress), 'Sync' (ready for synchronisation), and 'Export'. Tap or click on this field to change the status and set it to 'Export'.

From the File menu select the 'Export Certificate(s)...' option file selector will appear prompting you to select a location.



Tap or click on the 'Select a volume' row and select the removable media and export the certificate.

Once finished exporting, the certificate will be removed from the 'Open Certificate' screen.



Close the Ultra Mobile software by selecting 'Exit' from the File menu in the certificate manager.

### 11. (PC) Transfer removable media to the PC.


Disconnect the removable media from the Mobile Device and connect it to the PC.

### 12. (PC) Import the certificate from the removable media.

Load the Ultra Mobile Module by clicking the large 'Mobile' button on the PowerSuite toolbar



Once the module has loaded, ensure the required User Name is selected from the drop down list, and click the 'Inbox' tab.

Click on the 'Import Certificate(s) from Mobile Device...' button  , and a file selector will appear prompting for you to select the import location . Once you have selected the location of the removable media, click 'Open'.




A window will appear showing the import progress for the current certificate. When finished the window will disappear and the certificate will appear in the 'Inbox'



The certificate is now ready to be imported back into PowerSuite.

### 13. (PC) Import the certificate back into PowerSuite from the Ultra Mobile Module.

Click on the 'Transfer Certificate' button  and the certificate will be moved from the Ultra Mobile Module back to the correct location in PowerSuite.



Close the Ultra Mobile Module and press the F5 button to refresh the PowerSuite Certificate Manager. The original certificate will be unlocked and can be edited and printed as required.

## Method 2


This method describes a new certificate being generated on the Mobile Device.

1. (Mobile Device) Run the Ultra Mobile software on the Mobile Device and create a new certificate from one of the available templates.

With this method of operation the first step is to create a new Installation Testing certificate on the Mobile Device by selecting one of the available templates.

To start the Ultra Mobile program on a Windows Mobile PDA, open the Programs folder and click the 'Ultra Mobile' icon . To start the Ultra Mobile program on the Palm, open the 'All' category and click the 'Ultra Mobile' icon .

To start the Ultra Mobile program on a Windows Mobile 5 SmartPhone, click the 'Ultra Mobile' icon  from the Start menu.

To start the Ultra Mobile program on a Symbian S60 device, open the 'Installations' folder from the main Symbian start screen and click the 'Ultra Mobile' icon .



The Ultra Mobile welcome screen will be displayed for 2 seconds and you can click or tap the screen to load the program. (You can switch off the welcome screen from the Preferences menu)

Like PowerSuite, the Ultra Mobile software has a simple to use built in certificate manager. The certificate manager defaults to the 'Open Certificate' screen but can easily be switched from the File menu to create new certificates.

Select the 'New Certificate...' option from the File menu.



A list of the available certificate templates will be displayed.

Tap or click on the required template to create and load a new certificate.

The certificate pages will be loaded and the first page of the certificate will be displayed ready for editing.

2. (Mobile Device) Edit the new certificate using Ultra Mobile.

Refer to step 6 in Basic Operation Method 1 for information on editing the certificate details.

3. (Mobile Device) Mark the certificate as completed in Ultra Mobile and export to removable media.

You can continue to edit and make changes to the certificate as required. Once you have finished editing and wish to export the certificate back to PowerSuite from Ultra Mobile you have to mark it as ready to export in the



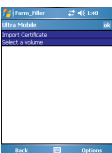
Ultra Mobile certificate manager.

The 'Status' column in the certificate manager has three states for each certificate, <blank> (work in progress), 'Sync' (ready for synchronisation), and 'Export'. Click twice on this field for the certificate to set it to 'Export'.

From the File menu select the 'Export Certificate(s)...' option

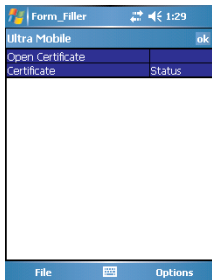


A file selector will appear prompting you to select a location.



Tap or click on the 'Select a volume' row and select the removable media and export the certificate.

Once finished exporting, the certificate will be removed from the 'Open Certificate' screen.



Close the Ultra Mobile software by selecting 'Exit' from the File menu in the certificate manager.

#### 4. (PC) Transfer removable media to the PC.

Disconnect the removable media from the Mobile Device and connect it to the PC.

#### 5. (PC) Import the certificate from the removable media.

Load the Ultra Mobile module by clicking the large 'Mobile' button on the PowerSuite toolbar



Once the module has loaded, ensure the required User Name is selected from the drop down list, and click the 'Inbox' tab.

Click on the 'Import Certificate(s) from Mobile Device...' button



. Once you have selected the location of the removable media, click 'Open'.




A window will appear showing the import progress for the current certificate. When finished the window will disappear and the certificate will appear in the 'Inbox'



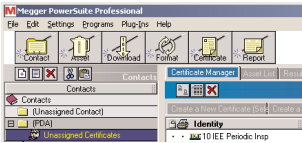
The certificate is now ready to be imported back into PowerSuite.

6. (PC) Import the certificate back into PowerSuite from the Ultra Mobile module.

Click on the 'Transfer Certificate' button  and the certificate will be moved from the Ultra Mobile module to the '( Mobile Device)' contact in PowerSuite.

7. (PC) Move the certificate from the 'Mobile Device' contact to the correct PowerSuite location.

Close the Ultra Mobile module and press the F5 button to refresh the PowerSuite Certificate Manager.



The '(Mobile Device)' contact is automatically created under the '(Unassigned Contact)' at the top of the contact tree and this is a temporary storage location for certificates and data that is not tagged to a specific location.

You can move the certificate from the '(Mobile Device)' contact by dragging it over the required location in the contact tree and releasing the mouse. You can then finish editing and printing the certificate.

## Advanced Operation - Email

This operation involves the transfer of data via email.

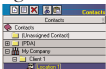
The following sections presume you have already set up email on your PC and your Mobile Device, and you can send and receive emails both ways between the two. This requires a knowledge of SMTP Server settings.

### Method 1

This method describes a new certificate being generated in PowerSuite.

1. (PC) Run the Certificate Wizard in PowerSuite to create a new Installation Testing certificate for your selected location.

With this method of operation the first step is to create a new Installation Testing certificate in PowerSuite. Highlight the correct location in the contact tree



When you are prompted to select the type of certificate be sure to select 'Installation Testing'. Complete the remaining wizard prompts finally selecting the certificate number and click the 'Finish' button to display the certificate on screen.

MEGGER Reports - [IEE Periodic Insp 10.aff]

File Edit Options Window Help

**Megger** PERIODIC INSPECTION AN ELECTRICAL TEST (REQUIREMENTS FOR ELECTRICAL TESTS)

**DETAILS OF THE TEST**

Client: Client 1

Address: Client Address 1  
Client Address 3

Purpose for which this Report is required:

**DETAILS OF THE INSTALLATION**

Occupier: Location 1

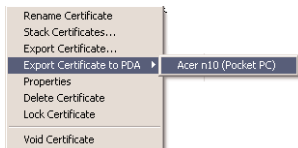
Address: Location Address 1  
Location Address 3

You can complete any additional data fields on the certificate before closing it and returning to the certificate manager screen.

## 2. (PC) Export the certificate to the Ultra Mobile module.

To export the certificate you have created to the Ultra Mobile module first ensure you have the 'Edit/View an Existing Certificate' tab highlighted in the certificate manager and you also have the correct location highlighted. Right click on the certificate you wish to export to display a pop up menu.

Select the 'Export Certificate to Mobile Device' option from the pop up menu, and then select the Mobile Device User Name from the next pop up menu.



Select 'Yes' to the confirmation prompt to upload to the Ultra Mobile module.

N.B. Once the certificate has been exported from PowerSuite into the Ultra Mobile module it will be locked and cannot be edited in PowerSuite.

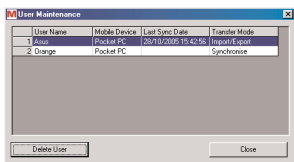
## 3. (PC) Load the Ultra Mobile Module and check the certificate is in the Mobile 'Outbox' ready to be exported to the Mobile Device.

You can now load the Ultra Mobile module by clicking the large 'Mobile' button on the PowerSuite toolbar

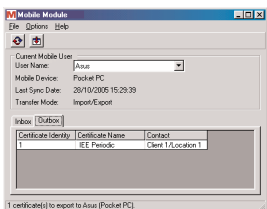


Once the module has loaded, ensure the required User Name is selected from the drop down list, and click the 'Outbox' tab.

N.B. To use the Import/Export method, open the 'Options' menu, and select 'User Maintenance...'. The 'User Maintenance' screen will appear:



For the required User Name, double click in the 'Transfer Mode' field to change from 'Synchronise' to 'Import/Export', and click 'Close'.



You should see your certificate in the 'Outbox' ready to be exported to the Mobile Device.

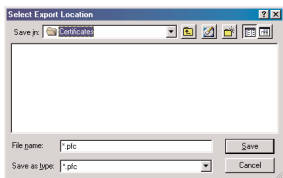
#### 4. (PC) Export certificate to a folder ready for emailing.

Before exporting your certificate, it is recommended that you create a folder for each Mobile Device user at a location, such as the desktop.

To create a folder on your desktop, minimise all running programs, and right click on the desktop background and a popup menu should appear. Move the mouse over the 'New' option, and another popup will appear. Left click on the 'Folder' option. A new folder will appear ready for renaming. It is recommended that you use the Mobile Device user name for the folder.



Click the 'Export Certificates to Mobile Device...' button and a file selector will appear prompting you to select an export location.



Navigate to the desktop, and then open the new folder you created. Click 'Save' to export the certificate, and a window will appear showing the export progress, it will disappear when finished.



#### 5. (PC) Email certificate to Mobile Device and delete exported copy.



Using an email program, attach the exported certificate to a new message, and send it to your Mobile Device. It is recommended that you delete the exported copy of the certificate from the user folder you created. This ensures that there is only one copy of the exported certificate in existence.


#### 6. (Mobile Device) Receive email, and save certificate to a location.


On the Mobile Device, collect the email using your email software, and save

the certificate attachment to a location, such as an SD, Compact Flash card, or internal folder. It is recommended that you delete the email at this point to keep ensure that there is only one copy of the exported certificate in existence, and to save memory.

## 7. (Mobile Device) Import certificate into Ultra Mobile from a location.

To start the Ultra Mobile program on a Windows Mobile PDA, open the Programs folder and click the 'Ultra Mobile' icon . To start the Ultra Mobile program on the Palm, open the 'All' category and click the 'Ultra Mobile' icon .

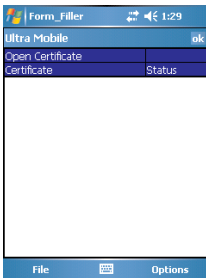
To start the Ultra Mobile program on a Windows Mobile 5 SmartPhone, click the 'Ultra Mobile' icon  from the Start menu.

To start the Ultra Mobile program on a Symbian S60 device, open the 'Installations' folder from the main Symbian start screen and click the 'Ultra Mobile' icon .



The Ultra Mobile welcome screen will be displayed for 2 seconds and you can click or tap the screen to load the program. (You can switch off the welcome screen from the Preferences menu)

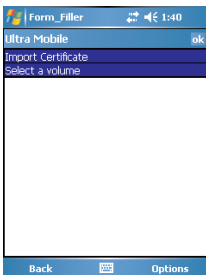
Like PowerSuite, the Ultra Mobile software has a simple to use built in certificate manager. The certificate manager defaults to the 'Open Certificate' screen but can easily be switched from the File menu to create new certificates.



Ensure the 'Open Certificate' screen is selected, and from the File menu select the 'Import Certificate(s)...' option



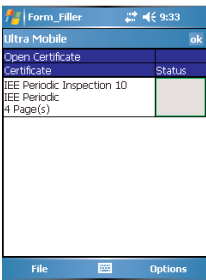
A file selector will appear prompting you to select a location.



Tap or click on the 'Select a volume' row and select the removable media.

You should see your certificate appear in the list, click 'Select' to import.

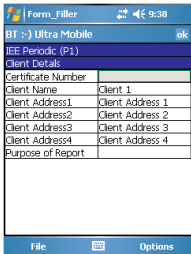
Once finished importing, you should see your certificate appear in the 'Open Certificate' screen.



Tap or click on the certificate to select and load it for editing.

8. (Mobile Device) Edit the certificate in the Ultra Mobile software.

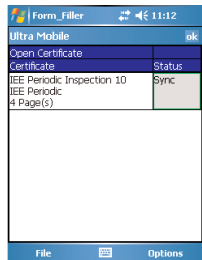
The certificate pages will be loaded and the first page of the certificate will be displayed ready for editing.



Refer to step 6 in Basic Operation Method 1 for information on editing the certificate details.

9. (Mobile Device) Mark the certificate as completed in the Ultra Mobile software.

You can continue to edit and make changes to the certificate as required. Once you have finished editing and wish to email the certificate back to PowerSuite from the Mobile Device you have to mark it as ready to export in the Ultra Mobile certificate manager.



The 'Status' column in the certificate manager has three states for each certificate, <blank> (work in progress), 'Sync' (ready for synchronisation), and 'Export'. Tap or click on this field to set it to 'Export'.

The certificate is now ready to email back to PowerSuite.

10. (Mobile Device) Email certificate to PowerSuite.

From the File menu select the 'Email Certificate(s)...' option. The 'Email Certificates' screen will appear.



Start	
Ultra Mobile <span>ok</span>	
Email Certificates	
To	user@mail.co.uk
Subject	Certificate(s)
Attach	1 Certificate(s)
Message	Completed JEE Periodic 10
Back	Send

In the 'To:' field, enter the email address of the PC you are sending the message to. Once sent this will be remembered for future emails sent, but can be changed at any time.

The 'Subject:' field will default to 'Certificate(s)' but can be edited.

The 'Attach:' field will show how many certificates are attached to the message.

The multi-line text field allows you to enter a message.

Click 'Send' to send the email. Once sent, click 'Close' and the certificate will disappear from the 'Edit existing form' tab.

### 11. (PC) Receive email, and save to a location.


Using your email software, receive the message sent by the Mobile Device, and save the certificate attachment to your Mobile user folder.

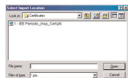
### 12. (PC) Import the certificate from a location.

Load the Ultra Mobile module by clicking the large 'Mobile' button on the PowerSuite toolbar



Once the module has loaded, ensure the required User Name is selected from the drop down list, and click the 'Inbox' tab.

Click on the 'Import Certificate(s) from Mobile Device...' button  , and a file selector will appear prompting for you to select the import location




Once you have selected the location of the certificate, click 'Open'.

A window will appear showing the import progress for the current certificate. When finished the window will disappear and the certificate will appear in the 'Inbox'



The certificate is now ready to be imported back into PowerSuite.

### 13. (PC) Import the certificate back into PowerSuite from the Ultra Mobile module.



Click on the 'Transfer Certificate' button  and the certificate will be moved from the Ultra Mobile module back to the correct location in PowerSuite.


Close the Ultra Mobile module and press the F5 button to refresh the PowerSuite Certificate Manager. The original certificate will be unlocked and can be edited and printed as required.


## Method 2


This method describes a new certificate being generated on the Mobile Device.

1. (Mobile Device) Run the Ultra Mobile software on the Mobile Device and create a new certificate from one of the available templates.

To start the Ultra Mobile program on a Windows Mobile PDA, open the Programs folder and click the 'Ultra Mobile' icon . To start the Ultra Mobile program on the Palm, open the 'All' category and click the 'Ultra Mobile' icon .

To start the Ultra Mobile program on a Windows Mobile 5 SmartPhone, click the 'Ultra Mobile' icon  from the Start menu.

To start the Ultra Mobile program on a Symbian S60 device, open the 'Installations' folder from the main Symbian start screen and click the 'Ultra Mobile' icon .

The Ultra Mobile welcome screen will be displayed  for 2 seconds and you can click or tap the screen to load the program. (You can switch off the welcome screen from the Preferences menu)

Like PowerSuite, the Ultra Mobile software has a simple to use built in certificate manager. The certificate manager defaults to the 'Open Certificate' screen but can easily be switched from the File menu to create new certificates.

Select the 'New Certificate...' option from the File menu.

 A list of the available certificate templates will be displayed. Tap or click on the required template to create and load a new certificate.

The certificate pages will be loaded and the first page of the certificate will be displayed ready for editing.

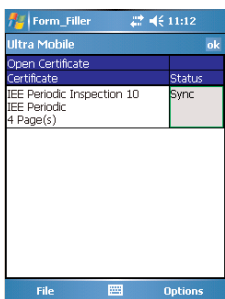
2. (Mobile Device) Edit the new certificate using Ultra Mobile.

Refer to step 6 in Basic Operation Method 1 for information on editing the certificate details.

3. (Mobile Device) Mark the certificate as completed in the Ultra Mobile software.

You can continue to edit and make changes to the certificate as required. Once you have finished editing and wish to email the certificate back to PowerSuite from Ultra Mobile you have to mark it as ready to export in the Ultra Mobile certificate manager.





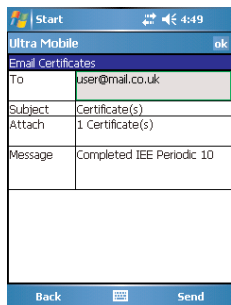
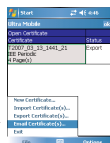
The 'Status' column in the certificate manager has three states for each certificate, <blank> (work in progress), 'Sync' (ready for synchronisation), and 'Export'. Tap or click on this field and set the status to 'Export'.

The certificate is now ready to email back to PowerSuite.

#### 4. (Mobile Device) Email certificate to PowerSuite.

From the menu select the 'Email Certificate(s)...' option

The 'Email Certificates' screen will appear.



In the 'To:' field, enter the email address of the PC you are sending the message to. Once sent this will be remembered for future emails sent, but can be changed at any time.

The 'Subject:' field will default to 'Certificate(s)' but can be edited.

The 'Attach:' field will show how many certificates are attached to the message.

The multi-line text field allows you to enter a message.

Click 'Send' to send the email. Once sent, click 'Close' and the certificate will disappear from the 'Edit existing form' tab.

#### 5. (PC) Receive email, and save to a location.


Using your email software, receive the message sent by the Mobile Device, and save the certificate attachment to your Mobile Device user folder.

#### 6. (PC) Import the certificate from a location.

Load the Ultra Mobile module by clicking the large 'Mobile' button on the PowerSuite toolbar



Once the module has loaded, ensure the required User Name is selected from the drop down list, and click the 'Inbox' tab.

Click on the 'Import Certificate(s) from Mobile Device...' button , and a file selector will appear prompting for you to select the import location.

Once you have selected the location of the certificate, click 'Open'.



A window will appear showing the import progress for the current certificate. When finished the window will disappear and the certificate will appear in the 'Inbox'



The certificate is now ready to be imported back into PowerSuite.

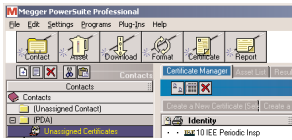
7. (PC) Import the certificate back into PowerSuite from the Ultra Mobile module.



Click on the 'Transfer Certificate' button and the certificate will be moved from the Ultra Mobile module to the 'Mobile Device' contact in PowerSuite.

8. (PC) Move the certificate from the 'Mobile Device' contact to the correct PowerSuite location.

Close the Ultra Mobile module and press the F5 button to refresh the PowerSuite Certificate Manager.



The '(Mobile Device)' contact is automatically created under the '(Unassigned Contact)' at the top of the contact tree and this is a temporary storage location for certificates and data that is not tagged to a specific location.

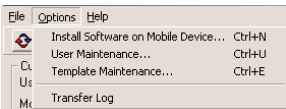
You can move the certificate from the '(Mobile Device)' contact by dragging it over the required location in the contact tree and releasing the mouse. You can then finish editing and printing the certificate.

## Other Features in PowerSuite Ultra Mobile Module

### Transfer Log

The 'Transfer Log' provides a method for tracking all certificate transfers between PowerSuite and your Mobile Devices.

To view the transfer log select 'Transfer Log' from the options menu.



The log can be saved out as a CSV file, and it can also be cleared at any time. A list of all certificates transferred through the Ultra Mobile module will be displayed.

Date / Time	Certificate Identity	Certificate Name
13/10/2005 09:54:59	1	BS 5839-1 Log Book
13/10/2005 09:54:59	1	BS 5839-1 Modfly Cert
13/10/2005 09:54:59	1	BS 5839-1 Velly Cert
13/10/2005 09:55:00	1	BS 5839-6 2004 Accept Cert
13/10/2005 09:55:00	1	BS 5839-6 2004 Commission Cert
13/10/2005 09:55:00	1	BS 5839-6 2004 Design Cert
13/10/2005 09:55:00	1	BS 5839-6 2004 Inst. Cert
13/10/2005 09:55:01	1	BS 5839-6 2004 Model Inst Cert
13/10/2005 09:55:01	1	BS 5839-6 Model Inst Cert
13/10/2005 09:55:01	1	ECA SELECT BS 5286-1 Complete Cert
13/10/2005 09:55:01	1	ECA SELECT BS 5286-1 Insp Cert
13/10/2005 09:55:02	1	ECA SELECT BS 5839-1 Accept Cert
13/10/2005 09:55:02	1	ECA SELECT BS 5839-1 Commission Cert
13/10/2005 09:55:02	1	ECA SELECT BS 5839-1 Design Cert

Click the 'Save' button to save the details out into a CSV file. Click the 'Clear' button to empty the contents of the log. When you have finished, click the 'Close' button to return to the Ultra Mobile module.

## Other Features in Ultra Mobile

### Megger MFT1553 - Real Time Bluetooth Transfer

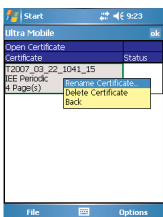
The Ultra Mobile software is capable of accepting real time test results transferred via Bluetooth from the Megger MFT1553 test instrument.

These results are most common with BS7671 electrical test schedules where results are recorded in a tabulated circuit by circuit format.

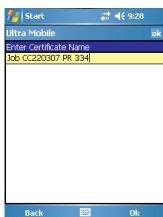
See the section entitled 'Megger MFT1553 – Transferring Real Time Data' for instructions on how to use this feature.

## Renaming a Certificate

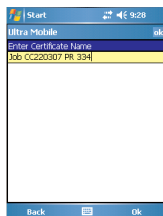
If you want to rename a certificate tap and hold down for two seconds or click and hold down for two seconds over the certificate name on the main certificate manager.



A pop up edit menu will be displayed. Select 'Rename Certificate...' to display the following rename screen.

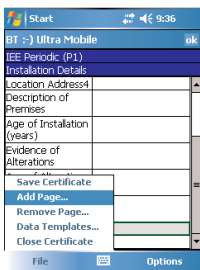


Delete the existing name and enter new one, then tap or click the 'OK' button at the bottom right corner of the screen to return to the certificate manager.



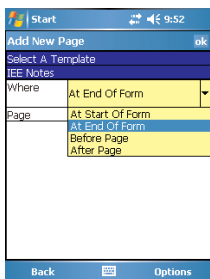
The certificate name will be updated with the new name.

N.B. If your mobile device does not support the pop up menu, you can select "Rename Certificate..." from the "Options" menu.



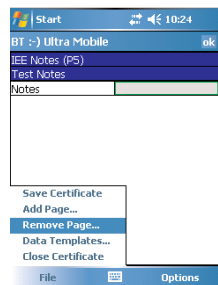
A selection screen will be displayed prompting you to select a template to add. Tap or click on the template name to display a list of the available templates. Alternatively you can select the 'Select Template' option from the 'Options' menu at the bottom of the screen.

Once you have selected the type of template you wish to insert you can then select 'Where' you want the page inserted by tapping or clicking on the 'Where' field.



There are options to insert the page either at the start or end of the certificate or before or after a certain numbered page.

To add the page select 'Add' from the 'Options' menu.



To remove the current page from the certificate select the 'Remove Page...' option from the 'File' menu.

A confirmation prompt will be displayed and you will need to tap or click the 'Yes' button to remove the page from the certificate.

## Data Templates

Data templates are very useful if you find you are entering repetitive information for a particular page. You can save a data template and load it into a new certificate to help speed up data entry. Data templates are linked to specific page layouts so you will only be able to load a data template into a similar page design.

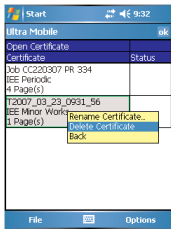
To save a data template first complete all the fields on the page you want to save that have common information useful on other certificates.

Select the 'Data Templates...' option from the 'File' menu

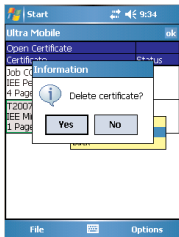


## Deleting Certificates

If you want to delete a certificate, tap and hold down for two seconds or click and hold down for two seconds over the certificate name on the main certificate manager screen.



A pop up edit menu will be displayed. Select 'Delete Certificate' to display the following prompt.



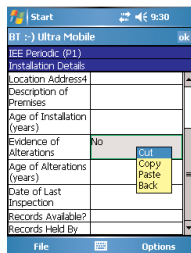
Tap or click on the 'Yes' option to delete the certificate. You will be prompted once more with a further confirmation message. Tap and click 'Yes' on this screen to return to the main certificate manager and your chosen certificate will have been deleted.

N.B. If your mobile device does not support the pop up menu you can select "Delete Certificate" from the "Options" menu.

## Cut, Copy, Paste

You can cut, copy and paste data from one field to another when you are editing certificates on the Mobile Device.

If you want to cut or copy the contents of one field to another tap and hold down for two seconds or click and hold down for two seconds over the field you wish cut or copy. A pop up edit menu will be displayed. (The pop up menu will not be displayed if you are currently editing the field)



Then select either the 'Cut' or 'Copy' option from this menu. Repeat the process by tapping and holding down or clicking and holding down over the field you wish to paste the data into. The pop up menu will be displayed again and you can select the 'Paste' option from the 'Edit' menu to complete the operation.

## Add, Remove Page(s)

You can easily add pages to your certificate or remove pages from your certificate. To add a new page select the 'Add Page...' option from the 'File' menu.

A list of available data templates will be displayed. Select the 'Save Data Template...' option from the 'Options' menu



Enter in an appropriate name for the data template then select the 'Select' option from the 'Options' menu and the template will be saved.



When you create or are editing a new certificate you can easily load a template by selecting the 'Data Templates...' option from the 'File' menu to display a list of available templates then tap or click on the required template to load it. You can also select the 'Select' option from the 'Options' menu to load an existing template.

To delete an existing template, select the 'Delete Data Template...' option from the 'Options' menu and tap or click on the template you wish to delete. You can also select the 'Select' option from the 'Options' menu.

## Update Formulas

The Ultra Mobile software has the ability to support simple formulas to help automate some of the form filling process. An example of such a formula is calculating the maximum permitted Zs value using tables from BS7671.

Formulas are not updated automatically so you will need to select the 'Update Formulas' option from the 'Options' menu to refresh any formulas on the page you are working on.

## Import / Export Templates

Certificate templates can be transferred either between the Ultra Mobile Module in PowerSuite and a Mobile Device, or between two Mobile Devices.

To export templates from the Ultra Mobile Module in PowerSuite, select the 'Export Template(s) to Location...' option from the menu. In the list of templates that appear, double click in the 'Export' column next to the templates you wish to export. Click on the 'Export' button and a file selector will appear prompting you to select an export location. The exported templates can be saved to any location such as a folder for emailing, or to removable media such as an SD, or Compact Flash cards. Click 'Save' to export.

To export templates from the Ultra Mobile software, first select the 'New Certificate' option from the main 'File' menu. Click on the 'Export' field for each template you would like to export to change the export status to 'Yes'. When you have finished selecting templates, select the 'Export Template(s)...' option from the 'File' menu. A file selector will appear prompting you to select an export location. Click on the 'Select a volume' row to select an export location, which can include removable media such as SD, or Compact Flash cards. Click 'Select' to export. When you have selected the location, select the 'Select a directory' option from the 'Options' menu to export the selected templates.

To import templates into Ultra Mobile, select the 'Import Template(s)...'

option from the 'File' menu. A file selector will appear prompting you to select an import location. Click on the 'Select a volume' row to select an import location, which can include removable media such as SD, or Compact Flash cards. A list of templates will appear, tap or click on the required template to load it.

## Import Lists

Lists are useful in PowerSuite and in the Ultra Mobile software. They allow you a quick and easy way to fill in certificate fields with standard, or user defined information from drop down lists. This function allows you to keep the lists on your Mobile Device up to date.

To export lists from the Ultra Mobile Module in PowerSuite, select the 'Export Lists to Location' option in the menu. You will be prompted to select the list export location, this could be a folder for emailing, or removable media such as an SD, or Compact Flash card. Click 'Save' to export the lists to a file called 'Lists.pfl'.

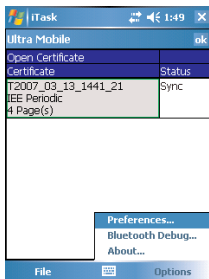
You can then email this file to your Mobile Device, or transfer it via the removable media.

In the Ultra Mobile software first select the 'New Certificate' option from the main 'File' menu then select the 'Import Lists...' option from the 'File' menu, and a file selector will appear prompting you to select a file. Navigate to the location of the 'Lists.pfl' file and tap or click on the file.

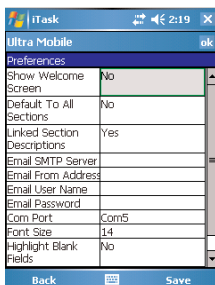
The lists will be imported and ready to use.

## Preferences

The preferences screen is used to set system wide settings. To access the Preferences screen select 'Preferences...' from the main 'Options' menu.



A list of preferences and their current settings will be displayed.



There follows a brief description of the preferences and available settings.

## **Show Welcome Screen**

If this option is selected, the 'About' screen will be displayed when the program is first loaded for two seconds.

## **Default To All Sections**

If this option is set to 'Yes', all sections of a page will be shown when it is first loaded.

If this option is set to 'No' (default) only the first section will be shown when a page is first loaded.

## **Linked Section Descriptions**

If this option is set to 'Yes', circuit descriptions will be appended to section names on test schedule pages. This feature makes it easier to move between circuits once they have been assigned descriptions.

## **Email SMTP Server**

The address of the SMTP server used to connect to the internet.

## **Email From Address**

The email address used on your Mobile Device.

## **Email User Name**

The user name used to log on to the SMTP server, if applicable.

## **Email Password**

The password used to log on to the SMTP server, if applicable.

## **Com Port**

The serial com port used for Bluetooth communications with the Megger MFT1553. This com port must match the incoming serial com port set up in the Bluetooth Manager on your mobile device.

## **Font Size**

A list of the available font sizes for the device will be shown in the drop down list. Changing the font size could help improve the legibility of the text from a distance but remember the larger the font size selected, the less information that can be displayed on the screen.

## **Highlight Blank Fields and Highlight Colour**

These options provide an easy way to highlight any blank fields on a page.

Click on the drop down list and change the option to 'Yes'. The default colour for blank fields is 'Red' but this can be changed to either 'Yellow' or 'Magenta' by selecting the required 'Highlight Colour' option from the list.



## Max Zs Percentage

This setting will be transferred from the associated PowerSuite preference and will be used to calculate maximum permitted Zs values on circuit schedules.

When you change any of the preferences you will need to select the 'Save' menu option for the changes to take effect.

## Basic Operation – Pro-Lite 16th

PowerSuite Professional Pro-Lite 16th has been designed to work in conjunction with the Megger storage instruments CM500, BMM/LCB, MIT330, LTW335, RCDT330 and the Megger MFT1553 to produce installation testing certification in a variety of ways.

The CM500, BMM/LCB, MIT330, LTW335, RCDT330 test instruments store test result data and this data is downloaded via an RS232 cable and then further processed in PowerSuite. The MFT1553 transfers real time test results via Bluetooth directly into your test certificates.

## Program Flow

Although there are many ways to operate the Pro-Lite 16th software, the recommended procedure is as follows:

1. Run the Contact Wizard to set up your client and location structure
2. \* Test the installation and store the results on the instrument
3. \* Run Download Wizard and extract the test results from the instrument
4. \* Edit the download file, split jobs/db's and remove unwanted tests
5. Run the Certificate Wizard and create the required test certificate
6. \* Select a download file to automatically create test results
7. Edit and complete certificate details
8. ~ Real time Bluetooth transfer of results into the test schedule
9. Validate certificate if required (NICEIC Installation, Minor Works and Periodic)

\* CM500, BMM/LCB, MIT330, LTW335, RCDT330

~ MFT1553 only

## Contact Wizard

PowerSuite allows you to set up a tree structure of 'COMPANY', 'CLIENT' and 'LOCATION' to store your final certification. You can set up as many 'CLIENT' contacts as you wish under your 'COMPANY' contact and as many 'LOCATION' contacts as you wish against your 'CLIENT' contacts.



Click the  contact wizard button to setup new client and location contacts in PowerSuite.

Follow the screen prompts ensuring that you first select to add a 'CLIENT' contact. Once the 'CLIENT' contact has been added, you will be prompted to add 'LOCATION' contacts against it. Ensure that each client is added to the contact tree under the 'COMPANY' contact.

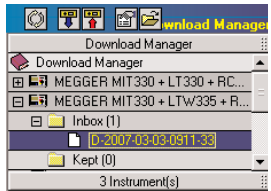
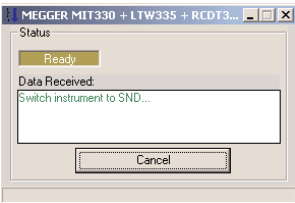


## Download Wizard (CM500, BMM/LCB, MIT330, LTW335, RCDT330)

The download wizard will transfer the test results from the selected storage instrument and create download files in the appropriate instrument 'Inbox' in the Download Manager window. Before you download ensure that you have the correct cable attached between the test instrument and pc/laptop.



Click the large download wizard button on the main PowerSuite screen and follow the prompts to select the required instrument. The download screen will indicate that PowerSuite is ready and give you appropriate on screen instructions to start the download.



A new download file will be created in the appropriate 'Inbox'. The current date and time stamp will be used as the file name.

## Edit the Download File

The download file may contain data from more than one job or distribution board. You may wish to split up the file if you wish to process the data on individual certificates or just delete some unwanted tests.

If you double click on a download file **D-2007-03-03-0911-33** it will be loaded into the CSV Viewer program.


Job ID	MT Model	MT Serial Number	PC1 Model	PC2 Serial Number	Job ID	Distribution Board Number	Other (Job)	Circuit Number	Phase	Continuity (Ohms)	Continuity (Ohms)
MT330	MT330-0N001741002				001	1		1	1	2.8	1.1
MT330	MT330-0N001741002				001	1		1	2	2.8	1.1
MT330	MT330-0N001741002				001	1		1	3	2.8	1.1
MT330	MT330-0N001741002				001	1		20	1	2.8	1.1
MT330	MT330-0N001741002				001	2		3	1	2.8	1.1
MT330	MT330-0N001741002				001	2		3	2	2.8	1.1
MT330	MT330-0N001741002				001	2		3	3	2.8	1.1
MT330	MT330-0N001741002				001	3		1	1	2.8	1.1
MT330	MT330-0N001741002				001	3		11	1	2.8	1.1
MT330	MT330-0N001741002	ACDF330	ProkapsaPC21330		002	1		1	1	2.8	1.1
MT330	MT330-0N001741002				002	1	04	1	1	2.8	1.1
MT330	MT330-0N001741002				002	2	05	3	1	2.8	1.1
MT330	MT330-0N001741002				002	2	10.2	3	1	2.8	1.1
MT330	MT330-0N001741002				002	3	05	3	1	2.8	1.1
MT330	MT330-0N001741002				002	3	05	2	1	2.8	1.1
MT330	MT330-0N001741002				004	1		2	1	2.8	1.1
MT330	MT330-0N001741002				004	1		3	2	2.8	1.1
MT330	MT330-0N001741002				004	1		3	1	2.8	1.1


You can sort the file simply by right clicking on one of the column headings and selecting 'Quick Sort'. You can then highlight a group of records and use the 'Save Selection' option from the 'File' menu to create a new file for the selected group of records. You can also press the 'Delete' button to remove the selected records.

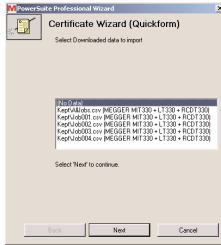
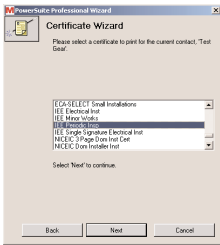
Click the close button once you have finished editing the file.

## Certificate Wizard

The certificate wizard is used to create new certificates and to optionally import selected test results from download manager files.

Before you create a new certificate, ensure that you highlight the correct location contact  in the contact tree by clicking on it.

Click the  certificate wizard button and select the style of certificate you require. You will be prompted to select a download file to import into the certificate.

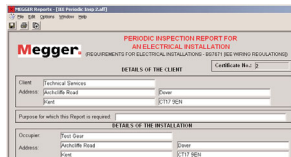



If you do not have any data to import you can select the (No Data) option.

The next available certificate number for the type of certificate you are creating will then be displayed and you can override this number if you wish. The certificate will be created and displayed on screen and any selected test data will be automatically imported.

## Edit and Complete Certificate Details

Complete the certificate by tabbing around the fields on the form and enter data using the keyboard or selecting items from the available drop down lists. The certificate may be printed at any time by clicking the print button on the toolbar.



The certificate may have more than one page and you can easily switch between pages using the  page controls.

## Megger MFT1553 - Real Time Bluetooth Transfer

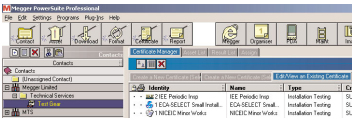
The Pro-Lite 16th software is capable of accepting real time test results transferred via Bluetooth from the Megger MFT1553 test instrument.

These results are most common with BS7671 electrical test schedules where results are recorded in a tabulated circuit by circuit format.

See the section entitled 'Megger MFT1553 – Transferring Real Time Data' for instructions on how to use this feature.

## Editing Existing Certificates

To load an existing certificate, first highlight the location contact  and select the 'Edit/View an Existing Certificate' tab.



Double click on the required certificate to load it for reviewing, editing and final printing.

## NICEIC Computer Friendly Forms

PowerSuite has built in support for the completion, validation (where applicable) and printing of NICEIC pre-printed computer friendly forms. The 'Certificate Manager' tab in the preferences program stores NICEIC specific details and allows you to set the next certificate numbers for all the certificate types. The certificate number can be edited on screen to ensure that it matches up with the number on the pre-printed certificate.

To run the preferences program select the 'Preferences...' option from the 'Settings' menu and click the 'Certificate Manager' tab.

## NICEIC Validation and Print Alignment

NICEIC Minor Works, Periodic and Electrical Installation certificates have built in validation formulas. Once the certificate has been completed it is saved (with the option of validating it) and it can then be printed out directly onto the pre-printed stationery. You can also run the validation option by highlighting the certificate in the 'Edit/View an Existing Certificate' tab and clicking the validation button on the certificate manager toolbar.

It is recommended that you follow the Print Alignment procedure (available from the PowerSuite Professional program group on the Windows start menu) before printing directly onto the NICEIC forms. It is also a good idea to generate and print a couple of test certificates onto plain paper to double check the alignment before going live with the pre-printed certificates.

The computer friendly forms provided by the NICEIC have two copies of each page, a White copy and a Yellow copy. The copies must be split up into their respective coloured sets before they are passed through the printer. You can then insert the White copies into the printer and print the certificate, followed by the Yellow copies and re-print the certificate.

## Megger MFT1553 - Transferring Real Time Data

Fields that can accept data automatically from the test instrument may be

colour coded to match the type of test on the instrument.

No.	Circuit Description	Component Details		Wiring	Control	Capacitance		Resistance		Priority		Functional Test		Isolate
		BSC	Rating			Unit	Value	Unit	Value	Unit	Value	Unit	Value	
		A	1k	Ω	100	Ω	100	Ω	100	Ω	100	Ω	100	Ω

To transfer a result from the instrument to the Pro-Lite 16th software, first ensure that the certificate has been loaded and the test results page is displayed. Then select the circuit to transfer the results into by highlighting one of the fields on the required row e.g. circuit id or description. Next perform the required test on the MFT1553 and ensure that the result is displayed on the instrument display.



Press the small Red lock button on the MFT1553 Image 91 to cycle round the available result types if applicable. (You will not need to perform this step for rcd results)



If you skip past the required result type you can continue to press the lock button and cycle around again.

Once the required result type has been chosen, hold down the lock button until the result starts to flash on the MFT screen (a couple of seconds). A beep will be emitted from the test instrument, and your pc or laptop (if you have the system sounds enabled) will respond with a beep and the test result will be transferred, decoded and displayed in the appropriate field on the selected row.

The time taken from holding down the lock button to the result being displayed on the pc or laptop will vary depending on how quickly the Bluetooth communications can be established and how quickly the pc or laptop can decode and translate the data. Typically the process will take no more than a few seconds.

Description of work		Discontinuity Device		Wiring				Test Results				Extrude
Ear.	Circuit Description	IGBY	Rating In	Short-circuit Imp.	Imp. For Fault	Conductance	Capacitance	Insulation Resistance	Phase	Earth Loop Impedance Z <sub>s</sub>	Residual Current	
		A	kA	mm <sup>2</sup>	mm <sup>2</sup>	Ω	Ω	MΩ	MΩ	MΩ	Ω	mA
						1.61						

If you are using a Mobile Device, the very first time that the Bluetooth connection is established, you may see an authorisation prompt asking if you would to allow the device to connect along with a check box to always allow the device to connect. You will need to check the “always allow” box and accept the prompt to receive subsequent data from the MFT1553 without the authorisation screen being displayed again.

You can force a result into a particular field by double clicking on it first and then transfer the result as previously described.

If a result already exists you will be prompted to overwrite the existing result with the new result or to retain the existing result.

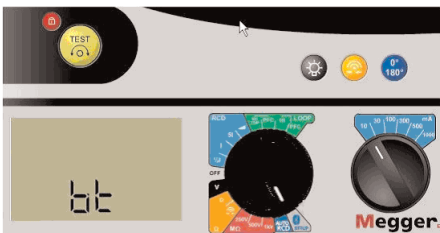
N.B. For further information on the initial pairing procedure between the MTF1553 and your pc or laptop please consult the Megger MFT1553 - Pairing Procedure section in this user guide.

### **Megger MFT1553 - Pairing Procedure**

Before the MFT1553 test instrument can be used to transfer real time test results via Bluetooth to the Ultra Mobile or Pro-Lite 16th software, it has to be paired with your Mobile Device or pc/laptop.

N.B. Before you start the pairing procedure please ensure that you are familiar with the operation of the Bluetooth Manager installed on your mobile device or pc/laptop and understand how to add a new paired device. You will also need to ensure that you have an incoming serial port configured and set up on your mobile device or pc/laptop.

Switch the MFT1553 to the Bluetooth Setup position.





The display will show ‘bt’

Press the small Red lock button  on the MFT1553 once to display the current pairing status.

The display will now show “- - -” if no pairing exists or the last 3 digits of the current paired address. e.g.



To start the pairing process press the lock button again. The Bluetooth module will be initialised  and the instrument will be placed in pairing mode waiting for the mobile device to connect to it .

Using the Bluetooth manager on your mobile device or pc/laptop, select the option to add a new paired device and when your MFT1553 appears in the list of available devices, select it and key in the required pass code '1234'.

The MFT1553 will signify a successful pairing by displaying the last 3 digits of the laptop or mobile devices address.

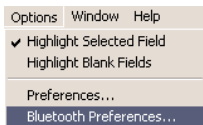


When you have completed the pairing process, turn the instrument off and close the Bluetooth Manager on your mobile device or pc/laptop.

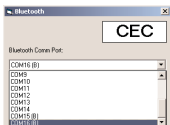
### PC/Laptop Com Port Setup

Once you have installed and setup the Bluetooth on your PC/laptop and paired with your MFT1553 you will need to select your incoming Bluetooth Com port in PowerSuite.

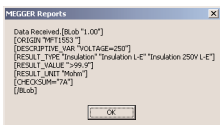
The “Bluetooth Preferences...” settings can be found the “Options” menu when viewing/editing a certificate.



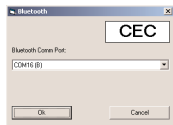
The following screen will be displayed which will display the three digit mac address of your pc/laptop and provide a drop down list selector for you to select your incoming Bluetooth serial port.



Available Bluetooth serial ports will have a (B) suffix against them in the list. Once you have selected the port, you can test it by performing a test on the MFT1553 and sending the result to the pc/laptop. If the port has been set up successfully you will see a screen similar to the following displayed showing details of the test result:



Click the 'OK' button to return to the serial port selection screen



Click the 'OK' button to close the Bluetooth preferences and return to your certificate. You will now be able to send results from the MFT directly into the test certificates on your pc/laptop.

## Example Mobile Device Pairing Instructions

### Windows Mobile 5

From the main Windows desktop screen:

Select the "Start" menu

Open the "Settings" folder

Select the "Connections" tab

Select the "Bluetooth" Icon

Ensure Bluetooth is "ON"

Select "Bluetooth Manager" at the bottom of the screen

Select the right hand "Menu" option and select "Paired Devices"

Remove any existing MFT1553 devices

Select "Add"

Switch MFT1553 to SETUP position.

Press Red "Lock" button on MFT once. MFT will indicate current pairing if any.

Press "Lock" button again.

Select the "Magnifying Glass" icon to start the discovery process.

Select the "MFT" device from the displayed list of found devices

Enter pass key "1234"

Select "OK" and close the Bluetooth Manager screens

### Windows Mobile 5 Smartphone

From the main Windows desktop screen:

Press the left hand menu button to select the "Start" menu

Open the "Settings" folder

Select "Connections"

Select "Bluetooth"

Press the right hand menu button to select "Menu"

Select "Devices"

Select "Menu"

Switch MFT1553 to SETUP position.

Press Red "Lock" button on MFT once. MFT will indicate current pairing if any.

Press "Lock" button again.

Select "New" on the Smartphone

Select the "MFT" device from the displayed devices



Enter pass key (1234)

Press the left hand menu button to select “Next”

Press the left hand menu button to select “OK”

Press the left hand menu button to select “Next”

Press the left hand menu button to select “Done”

Continue to press the left hand button until get back to the Windows desktop

### **Palm v5**

Select “Bluetooth” from the main Palm desktop

Ensure Bluetooth is set to “on”

Select “Setup Devices”

Select “Trusted Devices”

Switch MFT1553 to SETUP position.

Press Red “Lock” button on MFT once. MFT will indicate current pairing if any.

Press “Lock” button again.

Select “Add Device” on Palm

Select the “MFT” device from the displayed devices and select “OK”

Enter passkey (1234) and select “OK”

Select “Done” twice to get back to the Bluetooth screen

Select “Home” button to return to main Palm desktop

### **Symbian S60 Version 3**

From the main Symbian desktop select the Bluetooth icon

Ensure Bluetooth is set to “on”

Select the right hand tab to show paired devices

Switch MFT1553 to SETUP position.

Press Red “Lock” button on MFT once. MFT will indicate current pairing if any.

Press “Lock” button again.

Select the top left hand menu button and select “New paired device”

Select the “MFT” device from the displayed devices and select “OK”

Enter passkey (1234) and select top left hand menu button “OK”

Select top left hand menu button “Yes” to Authorise device to make connections automatically.

Select “Exit” to return to main Symbian desktop

N.B. If you are re-pairing an MFT1553 with a mobile device it is recommended that you first remove any previous pairing.

### **Notes**

Mobile device not included with PowerSuite On-site or Ultra Mobile software

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PowerSuite On-site 3 months

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Megger PowerSuite technical support is available in the following ways:

T +44 (0)1638 515 073 (Mon - Fri, 09:00 - 17:30)

F +44 (0)1638 515060

E [mts@megger.com](mailto:mts@megger.com)

[www.megger.com](http://www.megger.com)

Megger Technical Services

4 King Street

Mildenhall

Suffolk

England

IP28 7ES

Before contacting technical support, please refer to all written documentation and online help. Please be near your computer if possible and be prepared to provide the following information:

The first six characters of your Megger PowerSuite registration number, eg. PSDEMO. If you do not have your registration number at hand, it is available from the About option on the main Help menu.

Software version number, also available from the About screen.

The wording and any relevant codes of any error messages.

The steps taken and operations performed leading up to the problem.

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**Part No. 6173-048\_en\_V01 Printed in England 0407  
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