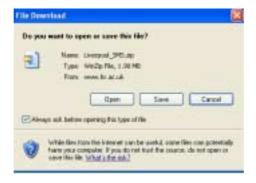
Safety of Medical Electrical Systems Tutorial Software (Liverpool SMS)

Version 3.0

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1- Downloading

- Go to the following website: http://pcwww.liv.ac.uk/~afgt/liverpoolsms.zip
- On the File Download window, click the Save option:



Choose a folder to save the Liverpool_SMS.zip file to and click save. At the
end of the download (which should only take a few seconds) close the
Download Complete window

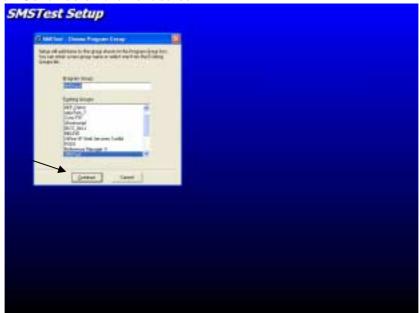


2- Setup

- Double click the zip file you have just downloaded
- Double click the setup program inside the zip file and click OK in the Install window
- Click OK on the next screen
- Click the PC icon on the next screen



• Click Continue on the next screen



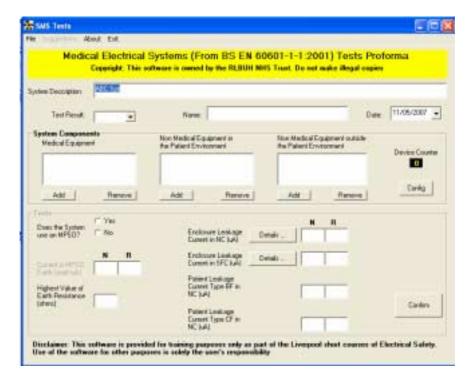
• Click OK when you get the setup complete window NOTE: During the setup, you might get a few messages regarding version conflict. Click Yes on these to keep the most recent version of the libraries

3- Running the program

 In the Start - Programs menu, you should now have a new item called SMS Test. Point to it and click on SMS Test

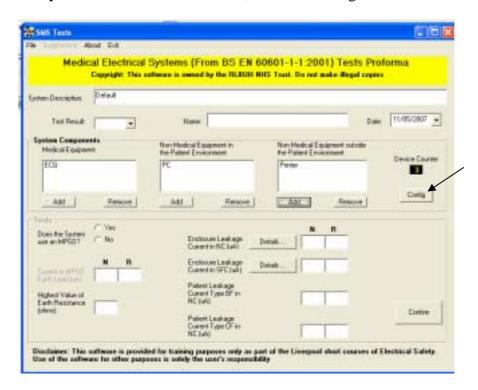


• In the System Description box, enter a name for your system

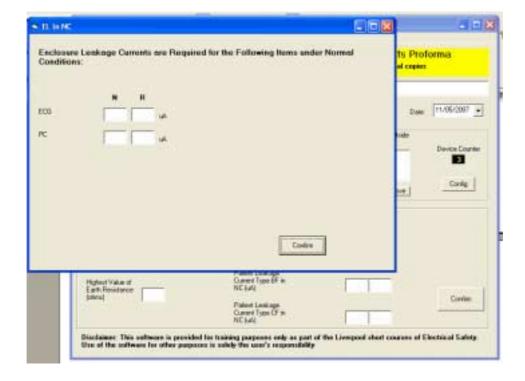


- In the System Components frame, Click the Add button under the Medical Equipment box and enter a short name to identify the device (e.g. ECG)
- Repeat the above step as necessary for all items of equipment

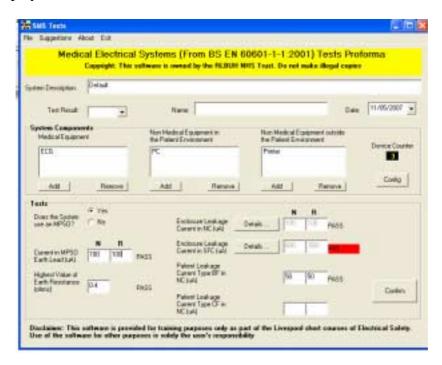
• When you have added all the devices, click the Config button



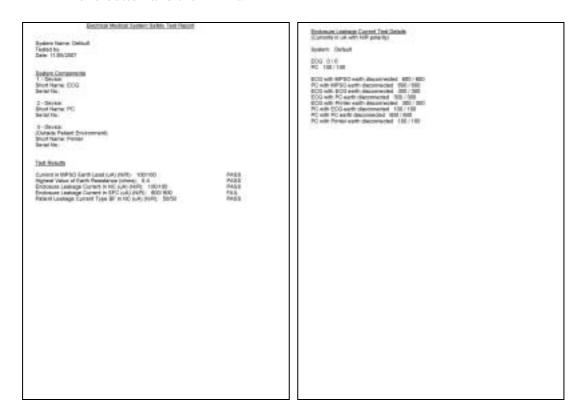
- Step through the configuration process for all the devices you have entered before you progress to the next stage
- Step through all the tests and enter the test results in the appropriate boxes
- For the Enclosure Leakage Current tests you must click the Details button which will open up another window telling you which tests to do



• When you have entered all the values click Confirm. The results will be displayed



- You can look at the suggestion menu item to see some possible solutions
- You can print a 2-page report summarising you results by clicking on the File Menu button and then Print.



4- The File menu

- In the File menu item, you can save the system by clicking the Save option. It will store all configuration details and safety test results.
- Also in the File menu item, you can open saved file by clicking the Open option. There are 3 example systems that are included in the package called: SMS_VirtualSys_1.sms simulating a sleep studies system, SMS_VirtualSys_2.sms simulating a critical care monitoring system or SMS_VirtualSys_3.sms simulating an ITU system