Software description

1. Installs
   1. Windows 10
   2. TeraTerminal
   3. The Tester local Net’s Interface should have IPv4 10.10.10.10, and it’s name should be “ATE net”
   4. TesterWin10\_1.0 (TclTk8.6, RLSerial, RLCom, RLUsbPio, RLUsbMmux, RLTime, RLStatus, RLSound)
   5. Java 1.8.0\_191, RAD Oracle Local Client
   6. Curl (C:\curl-7.73.0-win64-mingw) from <https://curl.haxx.se/windows/>
   7. Python  
      Graphical user interface, text, application, chat or text message

      Description automatically generated
2. AT software package
   1. C:\AT-SF-1V\software
3. Operation files
   1. 1-Tester.tcl

The Tester performs tests of the SecFlow-1V.

The SFP Port and the UTP Ports are checking (one-by-one) by downloading a binary file from PC to UUT, uploading the file from UUT to the PC with other name and comparing the files.

The Serial Ports are checking by sending a short string from UUT to PC’s COM, connected to a Serial Port. In opposite direction another string is sent from COM connected to a Serial Port, to COM connected to Console Port. For 485 option an USB-RS484 converter is using.

The WiFi Port is tested by connection to a PC (SECFLOW-SERV-10) or Laptop (SEC-FLOW-LT-10). For the security reason the PC/Laptop is connected to outside RAD network (www). The communication between the Tester and the PC/Laptop is done by ftp ([ftp.rad.co.il](ftp://ftp.rad.co.il) ate ate2009)

POE is checked by connection to each UTP port (one-by-one) an IP-Phone.

PA is checked by connection to UTP ports 2 and 3 (one-by-one) an AirMux-400 with PA option.

The HW definitions – COM and PIO ports – are defined in HWinit.tcl file, which located at folder C:\ AT-SF-1V\software \[PC name]. The [PC name] is defined by [info host].