

# Sonim-Mobile App Automation Tool

## User Guide

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## 1.0 S-MAT Revision History

Sl.No	Version	Affected section	Engineer	Date
1	1.0	Initial Draft --All	Rajasekar D & Farheen Taj	05OCT2018
2	1.1	S-MAT-Test execution Steps-Screenshots	Farheen Taj & Tejavathi D	23OCT2018
3	1.2	S-MAT: System Requirement S-MAT: DUT Preconditions S-MAT: Test Execution Steps	Tejavathi D & Chandan Anand	29OCT2018
4	1.3	S-MAT Tool Software Release Version Description S-MAT: Test Execution Steps(New UI Screenshots)	Tejavathi D & Rajasekar D	28NOV2018
5	1.4	S-MAT: Test Execution Steps(New UI Screenshots)	Tejavathi D & Sashi P	25MAR2019

## 2.0 S-MAT Tool -- Introduction

“Sonim-Mobile App Automation Tool” abbreviated as S-MAT is used for ‘Mobile Application’ testing using automated test scripts which is written using Java language. Test scripts are integrated into S-MAT as a .exe file. With simple GUI interface tester can use this tool to test multiple application one by one or all at a time.

## 3.0 S-MAT: System Requirement

1. Operating System: Windows 7 to 10.
2. Java should be installed of version **>1.8u144 or <1.10**

**Note : S-MAT Tool does not support for Java version 1.11 and above due to Technical issues.**

3. Environment variable path for “Java” should be configured in system.Below are the Steps to Set Path.
  - a. Download and install jdk
  - b. Open Program Files in C-drive
  - c. Open Java folder
  - d. Open jdk folder
  - e. Open bin folder
  - f. Right click and copy the bin folder path
  - g. Right click on My Computer/This PC.
  - h. Select Properties
  - i. Select Advanced System Settings
  - j. Click on Environmental variables
  - k. Select Path under System variables and click on Edit
  - l. Attach a semicolon to the existing path and paste the copied path at last
  - m. Click on all OK buttons.

- n. Open cmd prompt, type **java -version** and check the version (To confirm the path set)

#### 4.0 S-MAT: DUT Preconditions

1. Flash or Factory reset the DUT
2. DUT & Ref. Device should be connected with system/laptop
3. USB debugging option should be Enabled (Allow USB Debugging permission should be enabled/DUT should be authorized )
4. DUT & Ref. Device should be detected in system (Check in cmd prompt with **adb devices** command)

Note : If device is not detected in cmd prompt, update adb from Device Manager.

5. Accessory: Stereo Headset should be connected and SD card should be Inserted.
6. DUT & Ref. Device sleep time should be set to Max and Screen lock should be set to None
7. SIM Card' s should be inserted (4G [VoLTE]).

**Note:** Module wise Pre-Conditions are available in S-MAT Tool

#### 5.0 S-MAT Tool Software Release Version Description

S-MAT Software Version : **S-MAT\_A.BC.DEF**

- A --> Phase
- BC --> Year
- D --> Month (Hexadecimal format Ex : 0,1,2,3,4,5,6,7,8,9,A,B,C)
- EF --> S-MAT build version

#### 6.0 S-MAT: Installing S-MAT

1. Save the SMAT tool into local folder.
2. Double click on **.exe** file and follow the default set up wizard.

#### 7.0 S-MAT: Test Execution Steps

##### 1. Login To S-MAT :

- After entering the Username and Password, Select Remember Me option check box (If user want to remember the username and password ) and Please click "Login" button

**Note:** To get UserName and Password, send email to [SMAT@SONIMTECH.COM](mailto:SMAT@SONIMTECH.COM)



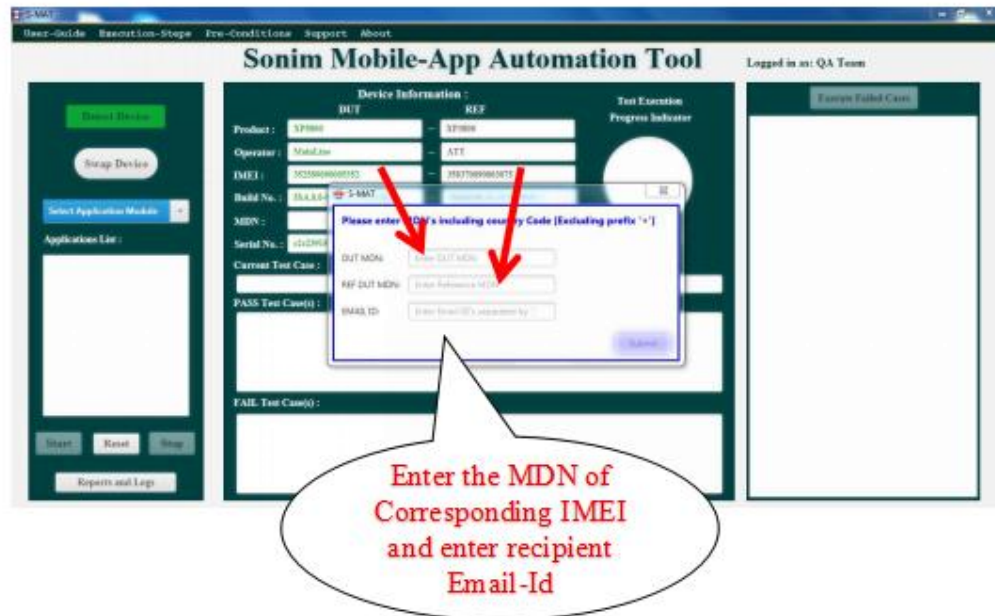
## 2. S-MAT: Device Detection

- After successful login, Connect DUT & Ref device, Please click on “ Detect Device” and wait for some time –Product, Operator, IMEI, Build Number, MDN and Serial Number will be displayed based on ADB port detection



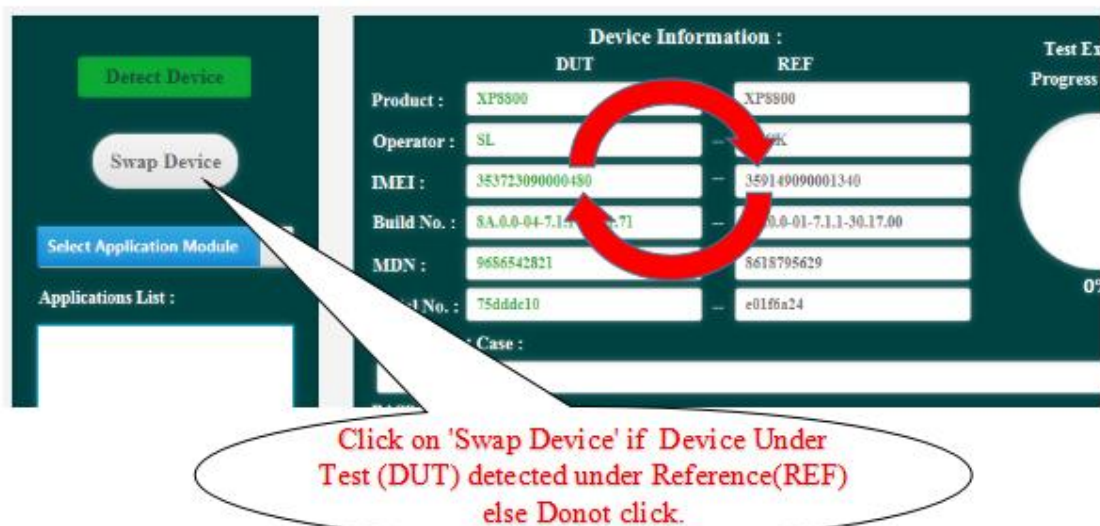
### 3. S-MAT: Enter MDN and E-mail Id

- Enter DUT & Ref device MDN Respectively, enter Email-Id to share report and Submit and Confirm the Entered MDN's



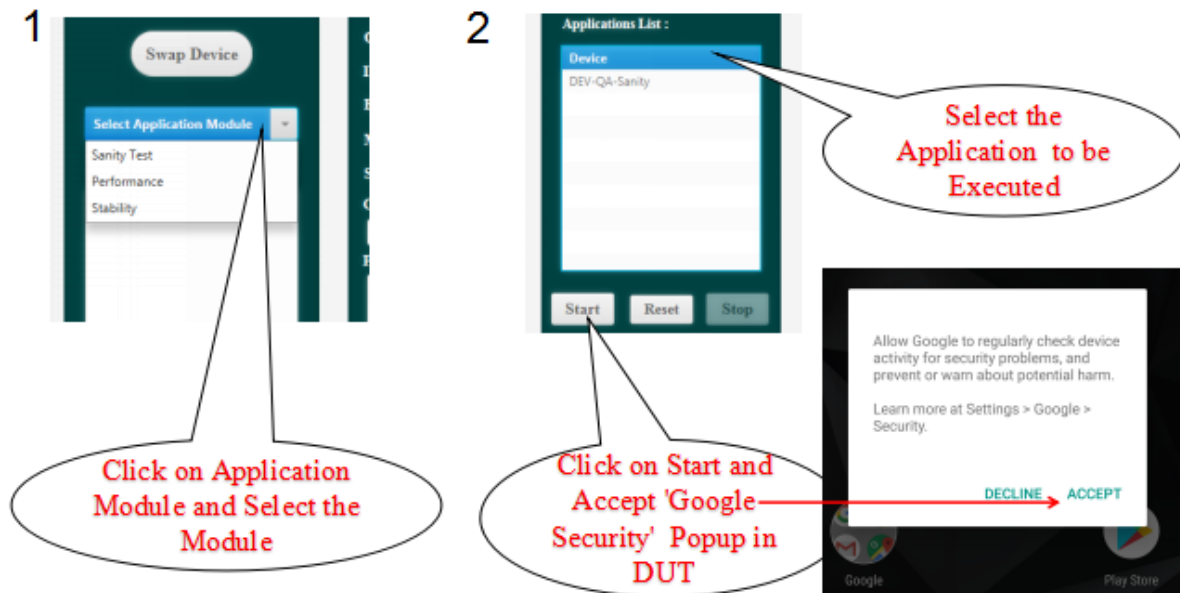
### 4. S-MAT: Swap Device (If Required)

- Based on Device selection click on the "Swap Device" to swap device (If Required)



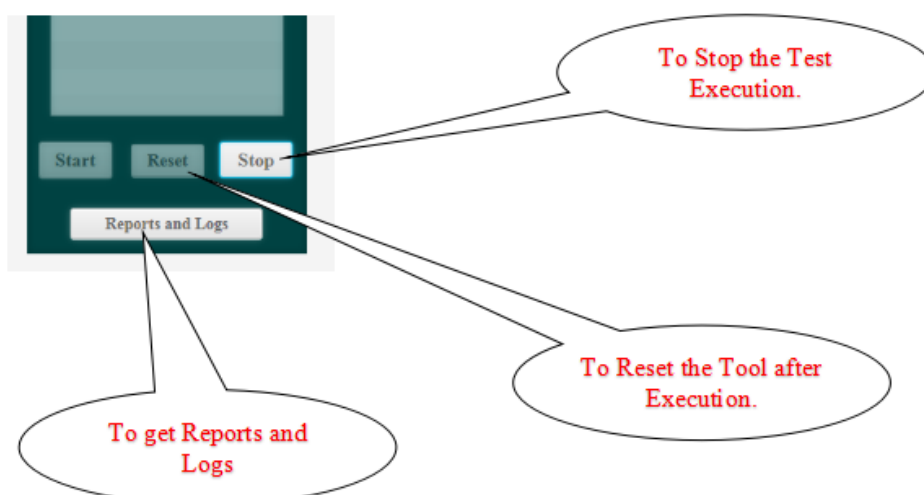
## 5. S-MAT: Select Application Module and Start

- Click on Select Application Module and select the module
- Click on Start button after selecting module and wait for test execution



## 6. S-MAT: Stop and Generate Reports and Logs:

- Click on Stop Button to stop the execution
- Click on Reports and Logs to check the report and logs of the executed module.
- Click on Reset Button to reset the execution



## 8.0 S-MAT: FAQ's:

### 1. While selecting on ABD Port Detection, Tool unable to detect device ID?

Enable developer mode in device and go to command prompt, perform device detection using command "adb devices" and relaunch the tool.

### 2. While execution In Progress/Stopped of any Application in S-MAT Tool, if execution stops in between?

check device detection using command prompt . Re-select the Module and Application to start execution.

### 3. While swapping the device after successful connection, execution fails?

Just close S-MAT Tool and relaunch it , device detection and start execution.

### 4. Email communication for queries?

Please drop your queries @ : **SMAT@SONIMTECH.COM**