**TESTCASES FOR IOS DEVICES**

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1. **Internal Factors Testing**
2. **Install and Launch**
   1. **OTA install via App Store**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **1.a** | *Test Title*  **OTA Installation – App Store** |  |
| *Test Description:*  **The Application must be installed successfully via OTA.** | | |
| *Required for:*  **All applications.** | | |
| *Prerequisite:*   1. App Store application was installed on device. 2. Device can connect to internet.   *Testing Note:*   1. If errors occur at installation time, corresponding messages must be reported by the tester in the test report. 2. If the device does not display the icon, then the user must be able to start the Application using other means. 3. For carriers that will only accept the installation of Applications from App Store, this test cannot be performed until the Application is in App Store.   *Testing Steps:*   1. Press to launch *App Store* from your Springboard 2. Then press to select any free application 3. Press the *FREE* button to obtain this application 4. Press *INSTALL* button to install the application   *Expected Result:*   1. The Application installs to the device. 2. The icon for the Application can be found from the device. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **iTunes installation**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **1.b** | *Test Title*  **iTunes Installation** |  |
| *Test Description:*  **The Application must be installed successfully via iTunes.** | | |
| *Required for:*  **All applications.** | | |
| *Prerequisite:*   1. iTunes was installed on local PC. 2. Device was connected to local PC.   *Testing Note:*   1. If errors occur at installation time, corresponding messages must be reported by the tester in the test report. 2. If the device does not display the icon, then the user must be able to start the Application using other means. 3. For carriers that will only accept the installation of Applications from App Store, this test cannot be performed until the Application is in App Store.   *Testing Steps:*   1. Launch Apple’s free iTunes application on your computer 2. Click on the iOS device in the left pane of iTunes application window. 3. Select “*App*” tab near the top of iTunes window 4. Place a checkmark in the “*Sync Apps*” check box, located at the top of the window. A list of the apps on your computer that you downloaded from Apple’s App Store appears under the “*Sync Apps*” check box. 5. Click the check box next to the name of each app that you want to install on your iOS device. 6. Select the “*Sync*” button, located at the bottom-right corner of the iTunes window.   *Expected Result:*   1. The Application installs to the device. 2. The icon for the Application can be found from the device. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Splash screen and launch time**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **1.c** | *Test Title*  **Checking Splash Screen and Launch time** |  |
| *Test Description:*  **The Splash screen must appear and application was launched no longer than 5 seconds.** | | |
| *Required for:*  **All applications.** | | |
| *Prerequisite:*   1. Applications were installed on iOS device.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Press to launch *any application* from your Springboard (Home Screen).   *Expected Result:*   1. Application opened and the Splash screen displayed. 2. Application was launched no longer than 5 seconds. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Uninstall**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **1.d** | *Test Title*  **Uninstall Applications** |  |
| *Test Description:*  **Uninstall application successfully** | | |
| *Required for:*  **All applications.** | | |
| *Prerequisite:*   1. Applications were installed on iOS device.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Touch and hold your finger on any application icon. You don't need to touch the app that you want to delete, any app will do. 2. Release your finger when the icons begin to wiggle and shake on the screen. 3. Tap the red "X" icon in the upper-left corner of the icon that you want to uninstall. A prompt appears on your screen, asking if you're sure you want to remove the application. 4. Touch the "Delete" option in the pop-up window. A small progress bar appears beneath the icon. Once the progress bar disappears, the app is removed from your device. 5. Press the Home button to return to your device’s main screen.   *Expected Result:*   1. Application was uninstall successfully. 2. The icon for the Application cannot be found from the device. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

1. **User Interface** 
   1. **Application Logo should display properly on device**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **2.a** | *Test Title*  **Application Logo** |  |
| *Test Description:*  **Application Logo should display properly on device** | | |
| *Required for:*  **All applications.** | | |
| *Prerequisite:*   1. Applications were installed on iOS device.   *Testing Note:*  *Testing Steps:*   1. Press the Home button to return to your device’s main screen.   *Expected Result:*   1. Application logodisplays properly on device as requirements. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Application Name should display properly on device**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **2.b** | *Test Title*  **Application Name** |  |
| *Test Description:*  **Application Name should display properly on device** | | |
| *Required for:*  **All applications.** | | |
| *Prerequisite:*   1. Applications were installed on iOS device.   *Testing Note:*  *Testing Steps:*   1. Press the Home button to return to your device’s main screen.   *Expected Result:*   1. Application Namedisplays properly on device along with Application Logo as requirements. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Screen orientation/resolution, multiple display format handling**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **2.c** | *Test Title*  **Screen orientation/resolution** |  |
| *Test Description:*  **Where the device and Application can display in multiple formats (e.g. portrait / landscape, internal / external display), the elements of the application should be correctly formatted in all display environments.** | | |
| *Required for:*  **Applications that support multiple display formats, on device with multiple displays format support.**  *Not required for:*   1. **Device which does not have multiple display formats;** 2. **Applications that do not support multiple display formats, regardless of device support.** | | |
| *Prerequisite:*   1. Applications were installed on iOS device.   *Testing Note:*   1. *For this test, a failure would be a gross error that makes the application difficult to use, or is seriously misleading in some way. Minor errors that do not impede functionality should be passed, but the details added to the Result of Test information as a text note.*   *Testing Steps:*   1. Press to launch *any application* from your Springboard (Home Screen). 2. Change device’s orientation from *Portrait* to *Landscape* and vice versa.   *Expected Result:*   1. The Application should display correctly without obvious errors in all formats. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Navigation, tabs, scrolling**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **2.d** | *Test Title*  **Navigation, tabs, scrolling** |  |
| *Test Description:*  **Applications allow to navigate between tabs and scrolling up or down** | | |
| *Required for:*  **All applications which have multiple tabs and content could not display fully on device screen (allow scrolling).** | | |
| *Prerequisite:*   1. Applications were installed on iOS device.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Press to launch *any application* from your Springboard (Home Screen). 2. Navigate between tabs on application. 3. Scrolling up and down.   *Expected Result:*   1. Application’s screens display properly as requirements. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Touch screens**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **2.e** | *Test Title*  **Touch screens** |  |
| *Test Description:*  **Device allows using single point touch and multiple points touch.** | | |
| *Required for:*  **Device** | | |
| *Prerequisite:*  *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Perform single point touch test on device’s touch screen. 2. Perform multiple points touch test on device’s touch screen.   *Expected Result:*   1. Device works successfully as requirements. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Soft keyboard**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **2.f** | *Test Title*  **Soft keyboard** |  |
| *Test Description:*  **Soft Keyboard works correctly on device.** | | |
| *Required for:*  **Device** | | |
| *Prerequisite:*  *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Navigate to *SEARCH* screen and touch on text box to enter search criteria. 2. Perform keyboard test by checking each button.   *Expected Result:*   1. Soft keyboard displays and works correctly as requirements. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Hard keys**
     1. **Home**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **2.g.i** | *Test Title*  **HOME button** |  |
| *Test Description:*  **Check for the correction working of Home button.** | | |
| *Required for:*  **Device** | | |
| *Prerequisite:*   1. Applications were installed on device.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Open any application on device and press HOME button. Device will return to home screen. 2. For iPhone 4S running iOS 5 or higher, at home screen press HOME button for at least 2 second. SIRI will be activated (You need to make sure it's turned on. Does this by going to Settings -> General -> Siri and moving the slider to On). 3. For iOS4, double clicked to open the **fast app switcher** to move between apps and close programs. 4. For iPhone 3GS and higher, holding down the home button for a few seconds activates **Voice Controls**, a program that allows the user to speak the names of people to call or songs to play. 5. On the home screen, press the Home button once, it will bring up the **Spotlight search tool**.   *Expected Result:*   1. HOME button works as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* + 1. **Volume keys and Ringer/Silent switch.**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **2.g.ii** | *Test Title*  **Volume keys and Ringer/Silent switch** | **Considering** |
| *Test Description:*  **Check for the correction working of volume button and Ringer/Silent switch.** | | |
| *Required for:*  **Device** | | |
| *Prerequisite:*   1. Applications were installed on device.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Verify device allows adjusting the audio volume when using music/video application. 2. Verify device allows controlling the volume for the ringer, alerts, and other sound effects when does not using any application. 3. Verify device allows flipping the Ring/Silent switch to change between *ring* and *silent* modes. 4. Verify when set to ring mode, device plays all sounds. When set to silent mode, device doesn't ring or sound any alerts or sound effects (alarms set using Clock do sound). By default, when you get a call, device vibrates whether it's set to ring or silent mode.   *Expected Result:*   1. Volume keys and Ringer/Silent switch work as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* + 1. **Screen locking button**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **2.g.iii** | *Test Title*  **Screen locking key** | **Considering** |
| *Test Description:*  **Check for the correction working of Screen locking button.** | | |
| *Required for:*  **Device** | | |
| *Prerequisite:*  *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Verify device will lock and nothing happens on *Touch Screen* after press the Sleep/Wake button. 2. Verify device will unlock after press the Sleep/Wake button again. 3. Verify device will completely off after press and hold the Sleep/Wake button. 4. Verify device will turn on after press and hold the Sleep/Wake button again.   *Expected Result:*   1. Screen locking key works as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Readability**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **2.h** | *Test Title*  **Readability** |  |
| *Test Description:*  **Ensure that the application content is readable.** | | |
| *Required for:*  **Applications on all devices with user display.**  *Not Required for:*  **Devices without user display.** | | |
| *Prerequisite:*  *Testing Note:*   1. If An exception to the requirement for naked-eye legibility may be made where the applications allows a high level graphical view of an item (eg map or web page) and the device zoon facility is used to make areas legible, providing that usability is not impaired by any limiting of the visible areas when zoomed sufficiently to be legible.   *Testing Steps:*   1. All screen content must be clear (e.g. screen not crowded with content) and readable to the naked eye regardless of information displayed, or choice of font, color scheme etc.   *Expected Result:*   1. The application content should be readable. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Screen repainting**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **2.i** | *Test Title*  **Screen repainting** | **Considering** |
| *Test Description:*  **Correct screen repainting** | | |
| *Required for:*  **All applications.** | | |
| *Prerequisite:*  *Testing Note:*  *Testing Steps:*   1. Use the application, moving between screens   *Expected Result:*   1. The Application screens must be correctly repainted, including cases when edit boxes and dialog boxes are dismissed. 2. There must be no blinking of moving objects and background. If the Application objects overlap they must still render correctly. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Consistency**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **2.j** | *Test Title*  **Consistency** | **Considering** |
| *Test Description:*  **UI consistency** | | |
| *Required for:*  **All applications.** | | |
| *Prerequisite:*   1. Applications were installed on iOS device.   *Testing Note:*  *Testing Steps:*   1. Use the application, moving between screens   *Expected Result:*   1. The Application UI should be consistent and understandable throughout, e.g. common series of actions, action sequences, terms, layouts, soft button definitions and sounds that are clear and understandable | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Error messages**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **2.k** | *Test Title*  **Error messages** |  |
| *Test Description:*  **Error messages** | | |
| *Required for:*  **All applications.** | | |
| *Prerequisite:*   1. Applications were installed on iOS device.   *Testing Note:*  *Testing Steps:*   1. Use the application, moving between screens   *Expected Result:*   1. Any error messages in the Application must be clearly understandable. 2. Error messages must clearly explain to a user the nature of the problem, and indicate what action needs to be taken (where appropriate). | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Language**
     1. **Correct operation**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **2.l.i** | *Test Title*  **Language – Correct operation** |  |
| *Test Description:*  **Ensure that the Application works correctly with all appropriate languages.** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications were installed on iOS device.   *Testing Note:*   1. Translation table with all text used in UI should be provided to Test team before testing starts.   *Testing Steps:*   1. If device supports more than one language, set device to a language not already tested in certification testing. 2. Verify that device displays correct language selected. 3. Launch the Application, change Application Language and perform brief testing with aim to go through all possible screens, menu, and messages.   3. If Application Specification specifies that Application detects selected device language, ensure Application displays appropriate for each supported language.   1. Exit the Application 2. Repeat steps 1 to 4 for each supported language.   *Expected Result:*   1. All text content is rendered in the correct/expected language. 2. Ensure Application detects correct language and renders content as appropriate (if applicable). | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* + 1. **Supported formats**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **2.l.ii** | *Test Title*  **Language – Supported formats** |  |
| *Test Description:*  **Ensure that the Device/Application supports all date/time/numeric/currency features for supported languages** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications were installed on iOS device.   *Testing Note:*   1. Translation table with all text used in UI should be provided to Test team before testing starts.   *Testing Steps:*   1. Verify that date, time, time zone, week start, numeric separators and currency, are formatted appropriately for the implemented language’s target country and supported throughout the Application.   *Expected Result:*   1. All text content relating to date/time/numeric/currency fields are rendered in the correct/expected language format. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* + 1. **International characters**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **2.l.iii** | *Test Title*  **Language – International characters** |  |
| *Test Description:*  **Ensure that the Device/Application accepts and displays all appropriate international characters correctly.** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications were installed on iOS device.   *Testing Note:*   1. Translation table with all text used in UI should be provided to Test team before testing starts.   *Testing Steps:*   1. Verify that all data entry fields accept and properly display all International characters.   *Expected Result:*   1. All international text characters are rendered in the correct/expected language. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Menu**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **2.m** | *Test Title*  **Menu** |  |
| *Test Description:* | | |
| *Required for:* | | |
| *Prerequisite:*  *Testing Note:*  *Testing Steps:*    *Expected Result:* | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Accelerometer/motion sensor response**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **2.n** | *Test Title*  **Accelerometer / Motion Sensor Responses** |  |
| *Test Description:*  **The response of the device/application to movement or change of alignment of the device should not impair use of the application, nor be likely to confuse the user.** | | |
| *Required for:*  **Device and application except where both device and Application lack accelerometer / motion sensor support.** | | |
| *Prerequisite:*   1. Applications were installed on iOS device.   *Testing Note:*   1. Testing should be performed even where either the device or the Application (but not both) lack accelerometer support, in order to determine any unexpected reaction to the presence or absence of motion sensor responses. 2. Minor hesitations or inaccuracies are permissible. To fail, the problems must be serious enough to make it difficult to use the application. 3. The device could have adjustable orientation (accelerometer rotation) found in Settings.   *Testing Steps:*   1. Operate the Device/Application and make use of functions while changing the position, angle and alignment of the device and subjecting it to slow, rapid, and random movements.   *Expected Result:*   1. The response of the device/application to movement or change of alignment of the device should not impair use of the device/application, nor be likely to confuse the user. Device/Application should change between portrait and landscape modes without confusing errors being displayed to user. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

1. **Memory Used**
   1. **Memory during run**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **3.a** | *Test Title*  **File System – Memory during run** |  |
| *Test Description:*  **Ensure that the Application correctly handles out of memory exceptions during Application execution.** | | |
| *Required for:*  **Application which writes to file system.** | | |
| *Prerequisite:*   1. Applications were installed on iOS device.   *Testing Note:*  *Testing Steps:*   1. Operate the Application in such a way so as to force the Application to write files into the file system. 2. Exit the Application. Fill the file system to its capacity or near it. 3. Operate the Application - try to explore screens and functions, which access the file system.   *Expected Result:*   1. The Application should handle any out of memory exceptions correctly. 2. Ensure that there is a warning to the user advising about lack of memory when file is trying to be stored. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

1. **Media**
   1. **Application with Mute option**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **4.a** | *Test Title*  **Media – Application mute option** |  |
| *Test Description:*  **Ensure that the Device/Application has a Mute or Sound On / Off setting.** | | |
| *Required for:*  **Applications with sound settings.**  *Not qequired for:*  **Application which is declared not to have a Application mute facility by design.** | | |
| *Prerequisite:*   1. Applications were installed on iOS device.   *Testing Note:*   1. It will be sufficient for the device/application to respect the settings of the device volume controls, such that sound can be turned down to zero before the application launches, and the application then makes no sound.   *Testing Steps:*   1. Use the application and note the effects of either muting the device via the device volume controls or via a menu setting.   *Expected Result:*   1. Application must provide a means of muting background music and / or sound effects. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Setting statuses understandable**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **4.b** | *Test Title*  **Media – Setting statuses understandable** |  |
| *Test Description:*  **Ensure that the Application settings statuses are easily understandable.** | | |
| *Required for:*  **Device and Applications with sound settings.** | | |
| *Prerequisite:*   1. Applications were installed on iOS device.   *Testing Note:*  *Testing Steps:*   1. Access to Sound setting on device. 2. Access to Sound setting on application.     *Expected Result:*   1. The current status of each setting must be easily understood. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Setting does not impact device/application functionality**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **4.c** | *Test Title*  **Media – Setting does not impact device/application functionality** |  |
| *Test Description:*  **The status of the Application settings does not impair the Application functionality**. | | |
| *Required for:*  **Device and Applications with sound settings.** | | |
| *Prerequisite:*   1. Applications were installed on iOS device.   *Testing Note:*  *Testing Steps:*   1. Change Sound setting on device and save setting. 2. Perform any function on device which not related to Sound setting. 3. Change to Sound setting on application and save setting. 4. Perform any function on application which not related to Sound setting.     *Expected Result:*   1. The current status of the settings does not affect the Device/Application operation (e.g. whether or not the sound is on in a game). For example, switching off the sound does not change the game's functionality. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Settings combinations**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **4.d** | *Test Title*  **Media – Settings combinations** | **Considering** |
| *Test Description:*  **Restrictive combinations of Application settings are not permitted.** | | |
| *Required for:*  **Device and Applications with sound settings.** | | |
| *Prerequisite:*   1. Applications were installed on iOS device.   *Testing Note:*  *Testing Steps:*   1. Change Sound setting on device and save setting. 2. Change to Sound setting on application and save setting.     *Expected Result:*   1. Each setting has separate enable/disable functionality (e.g. Vibration and Sound). Any combinations of settings (e.g., Vibration and Sound) should not limit the user’s choice so as to exclude specific combinations. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Saving settings**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **4.e** | *Test Title*  **Media – Saving settings** | **Considering** |
| *Test Description:*  **Ensure that the Device/Application saves all settings on exit.** | | |
| *Required for:*  **Device and Applications with sound settings.** | | |
| *Prerequisite:*   1. Applications were installed on iOS device.   *Testing Note:*  *Testing Steps:*   1. Change Sound settings on device and save setting. 2. Return to home screen. 3. Re-access to Sound setting and verify previous settings are saved. 4. Change to Sound setting on application and save setting. 5. Log out off application and re-access to application again. 6. Verify previous settings are saved.     *Expected Result:*   1. When a Device/Application sound setting exits, all settings must be saved. Re-accessing the Device/Application will restore the saved settings. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

1. **Data Handling**
   1. **Modify and Save data**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **5.a** | *Test Title*  **Data – Modify and Save Data** |  |
| *Test Description:*  **Ensure that the Device/Application allows modify and saves all settings on exit.** | | |
| *Required for:*  **Device and Applications support data saving (contact…)** | | |
| *Prerequisite:*   1. Applications were installed on iOS device.   *Testing Note:*  *Testing Steps:*   1. Access to application. 2. Modify any information or record on application. 3. Save settings. 4. Exit application and restart. 5. Verify information was saved as previous modification.   *Expected Result:*   1. Device/Application works as expected and requirement. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Delete data**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **5.b** | *Test Title*  **Data – Delete Data** |  |
| *Test Description:*  **Ensure that the Device/Application allows delete data.** | | |
| *Required for:*  **Device and Applications support data saving and deleting (contact…)** | | |
| *Prerequisite:*   1. Applications were installed on iOS device.   *Testing Note:*  *Testing Steps:*   1. Access to application. 2. Delete any record/information on application. 3. Save settings. 4. Exit application and restart. 5. Verify information was deleted as previous modification.   *Expected Result:*   1. Device/Application works as expected and requirement. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Data Sharing**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **5.c** | *Test Title*  **Data – Resource Sharing – Database** |  |
| *Test Description:*  **Check that database resources are properly shared between Application and a competing Application.** | | |
| *Required for:*  **Device and Applications** | | |
| *Prerequisite:*   1. Applications were installed on iOS device. 2. Two Application which using the same data such as 1\_*Contact* and 2\_*Send Messages* application.   *Testing Note:*  *Testing Steps:*   1. Access to application (2). 2. Suspend Application 3. Access to application (1). 4. Modify/Delete information/record then save setting. 5. Resume application (2). 6. Check application state.   *Expected Result:*   1. Application (2) should continue from the previous state prior to being suspended. 2. Application (2) should see the new information/record as modification on step 4. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

1. **Security**
   1. **Encryption**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **6.a** | *Test Title*  **Security – Encryption** |  |
| *Test Description:*  **When connections are used encryption is used for sending / receiving sensitive data.** | | |
| *Required for:*  **Device/Application identified as communicating sensitive data.**  *Not Required for:*  **Device/Application identified as not communicating sensitive data.** | | |
| *Prerequisite:*   1. Applications were installed on iOS device.   *Testing Note:*   1. All sensitive information (personal data, credit card & banking information etc.) must be encrypted on device and during transmission over any network or communication link.   *Testing Steps:*   1. Refer to supplied information on the device/application. If the device/application saves and transmits sensitive data and the developer has not stated encryption is used, this test cannot be passed.   *Expected Result:*   1. It has been declared that the Device/Application uses encryption when saving and communicating sensitive data. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Passwords**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **6.b** | *Test Title*  **Security – Passwords** |  |
| *Test Description:*  **Passwords or other sensitive data are not stored in the device and are not echoed when entered into the Application, sensitive data is always protected by password.**  **If passwords saved on device, it should be encrypted** | | |
| *Required for:*  **Device/Application which uses passwords or other sensitive data.**  *Not Required for:*  **Device/Application which does not use passwords or other sensitive data.** | | |
| *Prerequisite:*   1. Applications were installed on iOS device.   *Testing Note:*   1. With passwords the desired approach is that the Device/Application shows which character the user selected and then changes that to an asterisk (\*). 2. If the user is explicitly asked for permission, a password can be stored to the device memory. 3. The objective of the test is to minimize the risk of access to sensitive information should the device be lost, by ensuring that no authentication data can be re-used by simply re-opening the application 4. Once sensitive data has been entered, it should not be displayed in plain text anywhere in the application; however it is allowable to have no more than 25% of a sensitive value displayed in plain text (e.g. 4 of the 16 digits of a card number) where this assists the user to distinguish between multiple cards or accounts. 5. For the purpose of this test, personal contact details such as those recorded in the phonebook should not be regarded as sensitive. Bank / credit card account numbers, balances & access codes or passwords should be treated as sensitive and be protected from unrestricted access.   *Testing Steps:*   1. Launch the Device/Application. 2. Go to the section where passwords or other sensitive data (such as credit   Card details) is input or displayed.   1. Input or read some sensitive data. Observe how the data are displayed on the screen. 2. Exit the Application. 3. Launch the Application. 4. Go to the place where sensitive data was inserted or read. 5. See if the data is still visible, or can be redisplayed without requiring a password at any point.     *Expected Result:*   1. Entering a password or other sensitive data will not leave it in clear text if completion of the fields is interrupted but not exited. 2. Passwords, credit card details, or other sensitive data do not remain in   clear text in the fields where they were previously entered, when the application is re-entered.  3. Sensitive personal data should always need entry of a password before it can be accessed. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

1. **Device options**
   1. **Sound profiles**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **7.a** | *Test Title*  **Sound profiles** | **Considering** |
| *Test Description:*  **Verify device/application respects the device’s set sound profile.** | | |
| *Required for:*  **Device and application use sound settings.** | | |
| *Prerequisite:*   1. Applications were installed on Device.   *Testing Note:*  *Testing Steps:*   1. Access to Sound setting on Device. 2. Change between Sound Profiles such as “Silent, Ring, Vibrate…” 3. Verify device/application respects the device’s set sound profile (eg: when Device was set to silent, Application sound will be disabled, when device was set to vibrate, application notification appear with device’s vibrate notice instead of sounds).   *Expected Result:*   1. Device/Application works as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Fonts**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **7.b** | *Test Title*  **Fonts** | **Considering** |
| *Test Description:*  **Verify device/application respects the device’s set fonts.** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications were installed on Device.   *Testing Note:*  *Testing Steps:*   1. Access to Fonts setting on Device. 2. Change between several fonts. 3. Verify device/application respects the device’s set fonts setting (eg: when Device was set to font A, Device/Application screen will be display in font A, when device was set to font B, Device/Application screen will be display in font B).   *Expected Result:*   1. Device/Application works as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Screen time out/off**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **7.c** | *Test Title*  **Screen time out/off** | **Considering** |
| *Test Description:*  **Verify device/application respects the device’s set Screen time out/off.** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications were installed on Device.   *Testing Note:*  *Testing Steps:*   1. Access to Display setting on Device. 2. Change the Screen Time Off value. 3. Access to Application. 4. Verify device screen was turn off as period of time provided on Step2. 5. Turn on Screen and verify Application state was in previous state when device screen was shutdown. 6. Repeat step without accessing to application.   *Expected Result:*   1. Device/Application works as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

1. **External Factors Testing**
2. **Network connections – Connectivity**
   1. **Only 3G connection**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **II.1.a** | *Test Title*  **3G connection** |  |
| *Test Description:*  **Verify device could connect to 3G network and application use network through this connection type.** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications which will access internet were installed on Device.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Connect device to 3G network, and disable other connection type. 2. Access to application and verify application could access to the network. 3. Suspend Application 4. Disconnect to 3G network. 5. Resume application and verify error message indicate related to network connection error.   *Expected Result:*   1. Device/Application works as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Only 2G connection**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **II.1.b** | *Test Title*  **2G connection** |  |
| *Test Description:*  **Verify device could connect to 2G network and application use network through this connection type (GPRS).** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications which will access internet were installed on Device.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Connect device to 2G network, and disable other connection type. 2. Access to application and verify application could access to the network. 3. Suspend Application 4. Disconnect to 2G network. 5. Resume application and verify error message indicate related to network connection error.   *Expected Result:*   1. Device/Application works as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Only Wi-Fi connection**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **II.1.c** | *Test Title*  **WI-FI connection** |  |
| *Test Description:*  **Verify device could connect to Wi-Fi network and application use network through this connection type.** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications which will access internet were installed on Device.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Connect device to Wi-Fi network, and disable other connection type. 2. Access to application and verify application could access to the network. 3. Suspend Application 4. Disconnect to Wi-Fi network. 5. Resume application and verify error message indicate related to network connection error.   *Expected Result:*   1. Device/Application works as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **No SIM card on device**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **II.1.d** | *Test Title*  **Connection - No SIM card on device** |  |
| *Test Description:*  **Verify device could connect to network through 3G, 2G, Wi-Fi networks and application use network through this connection type.** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications which will access internet were installed on Device.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Remove SIM card out off device. 2. Verify device could turn on and connect to network through 3G, 2G, Wi-Fi network. 3. Retest **Only 3G connection, Only 2G connection, Only Wi-Fi connection** test cases.   *Expected Result:*   1. Device/Application works as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Airplane mode**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **II.1.e** | *Test Title*  **Connection – Airplane mode** |  |
| *Test Description:*  **When the Application uses network capabilities, it must be able to handle the device being in Airplane mode** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications which will access internet were installed on Device.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Set device to Airplane Mode. 2. Start the application. 3. Observe the results.   *Expected Result:*   1. The Application will give a meaningful error message to indicate that the device is in Airplane mode and the application cannot run successfully. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Using network through USB connection to a PC**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **II.1.f** | *Test Title*  **Connection – Using network through USB connection to a PC** |  |
| *Test Description:*  **Verify device could connect to network through PC’s networks and application use network through this connection type.** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications which will access internet were installed on Device. 2. A local PC that connected to network. 3. Device was connected to PC through PC and configured to use PC’s network.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Start the application. 2. Observe the results (application can connect to network) 3. Disconnect network connection of PC. 4. Resume application. 5. Verify network connection error message appear on device.   *Expected Result:*   1. Device/Application works as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **No connection available**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **II.1.g** | *Test Title*  **Connection – no connection available** |  |
| *Test Description:*  **When the Application uses network capabilities, it must be able to handle the device being not connect to any network connection** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications which will access internet were installed on Device. 2. Device does not connect to any network connection.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Start application. 2. Verify network connection error message appear on device.   *Expected Result:*   1. Device/Application works as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Send/Receive data**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **II.1.h** | *Test Title*  **Connection – Send/Receive data** |  |
| *Test Description:*  **When the Application uses network capabilities, it must be able to send and receive data.** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications which will access internet were installed on Device and can send/receive data. 2. Device connected to any network connection.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Start application. 2. Perform application functions to send and receive data. 3. Verify data was sent and received successfully.   *Expected Result:*   1. Device/Application works as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Invalid web access setup**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **II.1.i** | *Test Title*  **HTTP – Invalid Network Connection** |  |
| *Test Description:*  **Ensure that the Application can handle the network connection being invalid / unusable.** | | |
| *Required for:*  **Device and application using HTTP network connection..** | | |
| *Prerequisite:*   1. Applications which will access internet were installed on Device.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Create and use an *invalid* APN entry 2. Launch the Application 3. Initiate an HTTP network connection from the Application   *Expected Result:*   1. The Application should handle this situation and all exceptions correctly. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

1. **Interruptions**
   1. **Device shutdown – open**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **II.2.a** | *Test Title*  **Interruption – Device Shutdown/Open** |  |
| *Test Description:*  **Check device/application could handle situation in which device was shutdown and reopen.** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications installed on Device.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Start Application, perform any functions. 2. Press and hold shutdown button. Verify device was turned off successfully. 3. Press and hold shutdown button again to turn it on. Verify device was turned on successfully. 4. Restart application and verify no error message indicated and it started from main screen of application.   *Expected Result:*   1. Device/Application works as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Home button pressed (suspend/resume from main menu)**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **II.2.b** | *Test Title*  **Interruption – suspend/resume from main menu** |  |
| *Test Description:*  **Check device/application could handle situation in which Home button was pressed during application execution.** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications installed on Device.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Start Application, perform any functions. 2. Press HOME button. Verify device was turned to Home screen with applications. 3. Restart application and verify no error message indicated and it started at the function which executing on step1.   *Expected Result:*   1. Device/Application works as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Walk out of Wi-Fi range and the connection automatically switch to 3G/2G or vice versa.**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **II.2.c** | *Test Title*  **Interruption – connection range** |  |
| *Test Description:*  **When the Application uses network capabilities, it must be able to handle the device being switch between multiple connections.** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications which will access internet were installed on Device. 2. Device connected to any network connection.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Start application. 2. Access to network through the first connection type (Wi-Fi). 3. Suspend application. 4. Change the connection type to another network type (3G/2G) or walk out of first connection range to automatically connect to second connection type (3G/2G). 5. Resume application. 6. Verify application could access to network through second connection type.   *Expected Result:*   1. Device/Application works as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Network go up and down**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **II.2.d** | *Test Title*  **Interruption – Network go up and down** |  |
| *Test Description:*  **When the Application uses network capabilities, it must be able to handle the device network go up and down.** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications which will access internet were installed on Device. 2. Device connected to any network connection.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Start application. 2. Access to network. 3. Suspend application. 4. Disable the network connection. 5. Resume application. Verify network connection error message appears. 6. Suspend application. 7. Reconnect to network. 8. Resume application. 9. Verify application could access to network.   *Expected Result:*   1. Device/Application works as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Receiving Calls**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **II.2.e** | *Test Title*  **Interruption – Receiving Calls** |  |
| *Test Description:*  **When the Application is executing, it must be able to handle the interruption when receiving a phone call.** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications were installed on Device. 2. Device could receive phone calls.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Start application and perform some functions. 2. Use another device makes a phone call to testing device. 3. Verify CALL notification screen is displayed and could not access to application. 4. Cancel the call. 5. Verify application was automatically resume at the function is executing on step 1.   *Expected Result:*   1. Device/Application works as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Receiving SMS**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **II.2.f** | *Test Title*  **Interruption – Receiving SMS** |  |
| *Test Description:*  **When the Application is executing, it must be able to handle the interruption when receiving a SMS.** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications were installed on Device. 2. Device could receive SMS message.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Start application and perform some functions. 2. Use another device sends a SMS to testing device. 3. Verify SMS notification screen is displayed and could not access to application. 4. Cancel reading the SMS or access to SMS application then close SMS application 5. Verify application was automatically resume at the function is executing on step 1.   *Expected Result:*   1. Device/Application works as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Receiving Calendar notification**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **II.2.g** | *Test Title*  **Interruption – Receiving Calendar notification** |  |
| *Test Description:*  **When the Application is executing, it must be able to handle the interruption when receiving a Calendar notification.** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications were installed on Device. 2. Device was configured on Calendar application to display notification when testing device.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Start application and perform some functions. 2. Verify Calendar notificationscreen is automatically displayed and could not access to application. 3. Cancel reading the Calendar notificationor access to Calendar application then close Calendar application 4. Verify application was automatically resume at the function is executing on step 1.   *Expected Result:*   1. Device/Application works as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Receiving Voice Mail notification**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **II.2.h** | *Test Title*  **Interruption – Receiving Voice Mail notification** |  |
| *Test Description:*  **When the Application is executing, it must be able to handle the interruption when receiving a Voice Mail notification.** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications were installed on Device. 2. Device was configured to display Voice Mail notification when testing device.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Start application and perform some functions. 2. Verify Voice Mail notification screen is automatically displayed and could not access to application. 3. Cancel reading the Voice Mail notification or access to Voice Mail application then close Voice Mailapplication 4. Verify application was automatically resume at the function is executing on step 1.   *Expected Result:*   1. Device/Application works as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Alarm clocks notification**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **II.2.i** | *Test Title*  **Interruption – Receiving Alarm clocks notification** |  |
| *Test Description:*  **When the Application is executing, it must be able to handle the interruption when receiving a Alarm clocks notification** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications were installed on Device. 2. Device was configured to display Alarm notification when testing device.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Start application and perform some functions. 2. Verify Alarm notification screen is automatically displayed and could not access to application. 3. Cancel the Alarm notification or access to Alarm Clocks application then close Alarm Clocks application 4. Verify application was automatically resume at the function is executing on step 1.   *Expected Result:*   1. Device/Application works as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Low battery notification**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **II.2.j** | *Test Title*  **Interruption – Receiving low battery notification** |  |
| *Test Description:*  **When the Application is executing, it must be able to handle the interruption when receiving a low battery notification** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications were installed on Device. 2. Device was configured to display low battery notification when testing device.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Start application and perform some functions. 2. Verify Low Battery notification screen is automatically displayed and could not access to application. 3. Cancel the notification. 4. Verify application was automatically resume at the function is executing on step 1.   *Expected Result:*   1. Device/Application works as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Social media notification**

|  |  |  |
| --- | --- | --- |
| *Test ID*  **II.2.k** | *Test Title*  **Interruption – Receiving social media notification** |  |
| *Test Description:*  **When the Application is executing, it must be able to handle the interruption when receiving a social media notification (Facebook…)** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications were installed on Device. 2. Device was configured to display social medianotification when testing device.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Start application and perform some functions. 2. Verify social medianotification screen is automatically displayed and could not access to application. 3. Cancel the notification. 4. Verify application was automatically resume at the function is executing on step 1.   *Expected Result:*   1. Device/Application works as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Other application activated (Camera…)**

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| *Test ID*  **II.2.l** | *Test Title*  **Interruption – Other application activated** |  |
| *Test Description:*  **When the Application is executing, it must be able to handle the interruption when open another application** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications were installed on Device.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Start first application and perform some functions. 2. Press Home button to return to Home screen. 3. Start another application and perform some functions 4. Press Home button to return to Home screen. 5. Start first application by press on application logo. 6. Verify application was automatically resume at the function is executing on step 1.   *Expected Result:*   1. Device/Application works as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Hard key activated** **(Volume and Sleep/Wake** **button)**

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| *Test ID*  **II.2.m** | *Test Title*  **Interruption – Volume key activated** |  |
| *Test Description:*  **When the Application is executing, it must be able to handle the interruption when Volume or** **Sleep/Wake key activated.** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications were installed on Device.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Start first application and perform some functions. 2. Press Volume button to change volume level. 3. Volume bar will display on screen and could not access to application. 4. After few second, volume bar was automatically disappeared. 5. Verify application was automatically resume at the function is executing on step 1. 6. Press Sleep/Wake button once. Verify screen will be turned off; device locked. 7. Press Sleep/Wake button once again. Verify screen will be turned on and application was automatically resume at the function is executing on step 1.   *Expected Result:*   1. Device/Application works as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |

* 1. **Charger effect**

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| *Test ID*  **II.2.n** | *Test Title*  **Interruption – Charger Effect** |  |
| *Test Description:*  **When the Application is executing, it must be able to handle the interruption when plug in and plug out the charger.** | | |
| *Required for:*  **Device and application.** | | |
| *Prerequisite:*   1. Applications were installed on Device.   *Testing Note:*   1. If errors occur, corresponding messages must be reported by the tester in the test report.   *Testing Steps:*   1. Start application and perform some functions. 2. Plug in/out the charger to device. 3. Verify application does not close and still working as expected   *Expected Result:*   1. Device/Application works as expected. | | |
| *Result of test:*  □ **Pass**  □ **Fail** | | |