Texas Instruments
amsdk_android

flashboard_ICS_4.0.3

Test Report

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Gadget

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System

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Bluetooth

BT-Stream music to bluetooth stereo headset

Bluetooth Object push

BT-Verify that HID devices are working as expected

Sensors

Accelometer

Accelometer Functionality

Miscellaneous

Music application lists songs.

Music application lists Songs from External Storage and Recorded

Dev Tools will be part of Android DevKit core applications

ICONS for standard applications will be placed on main window

Security will be turned ON in Android Layer

Flash 10.1 will be supported

Android DevKit should contain Sources for 2.6.XX Linux Kernel

The DevKit installer should work on a ubuntu Linux host machine

Links to support infrastructure on e2e and rowboat to be provided

Email will be part of Android DevKit core applications

Calendar will be part of Android DevKit core applications

Android home screen contains Launcher -

Android home screen contains Global Search Bar

Android Home Screen contains Tips widget to give important Tips

Addtitional Widgets can be added to Home Screen by a long press on

Multiple Home Screen (5 Screens)

Slidable Status bar

Wallpaper can be changed

Keypad contains HOME, BACK, POWER and MENU Keys.

Gallery will be part of Android DevKit core applications

Launcher will be part of Android DevKit core applications

Global Search will be part of Android DevKit core applications

Settings application helps to configure Sound, Display and various OOBE settings

IO

Android DevKit supports Touchscreen

Processor Speed

Android DevKit supports Cortex A8 ARM up to Maximum Frequancy

Android DevKit supports SGX up to Maximum Frequancy

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1 Test Suite : Compliance

Test Case amsdkA-403: Google's Compliance Test Suite(CTS) Automated

Summary:

This is to verify platform MUST pass the most recent version of the Android Compatibility Test Suite (CTS) available at the time of the device implementation's software is completed.

Steps:

1) download latest CTS and install on your PC(TEE)

2) update this test case parameters like cts_dir and cts_res _dir using your new installation dir.

3) assign the test plan you want run(default is CTS) for the variable test_plan.

4) start staf and others.

Expected Results:

Compliance test must pass with percentage greater than 95.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Pass: 17087 Fail: 230 Not executed: 0
Requirements	GR_26: Android CTS compatibility will be greater than 99%

2 Test Suite : Compatibility

This test suite tries to validate system compatibility with Android per Google's Compatibility Definition Document (CDD) available at

http://source.android.com/compatibility/android-2.1-cdd.pdf

2.1 Test Suite : Reference Software

Test Case amsdkA-9: SDK's Calculator App

Summary:
Run Calculator app (from Google's SDK)

Expected Results:
Application APK is properly installed and runs OK

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_76: Lancher gives Main window Desk Clock, Browser, Email Calendar, Calculator, Gallery, GlobalSearch, La AM33X_12: Android DevKit supports Keyboard

Test Case amsdkA-12: SDK's ApiDemos App

Summary:
Run ApiDemos app (from Google's SDK)

Expected Results:
Application APK is properly installed and runs OK

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	None

Test Case amsdkA-13: Dalvik's Unit Tests

Summary:
Run Dalvik VM unit tests (from /dalvik/tests/)

Expected Results:
All Dalvik VM tests passed

Last Result:	**Failed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	passed: 86 test(s) failed: 2 test(s) failed: 071-dexfile failed: 089-jumbo-opcodes
Requirements	None

Test Case amsdkA-384: Apps for android Amazed App

Summary:
Run Amazed app (from http://code.google.com/p/apps-for-android/)

Expected Results:
Application APK is properly installed and runs OK

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	None

Test Case amsdkA-385: Apps for android AndroidGlobalTime App

Summary:
Run AndroidGlobalTime app (from http://code.google.com/p/apps-for-android/)

Expected Results:
Application APK is properly installed and runs OK

Last Result:	**Failed**
Build	2012-03-20

Tester gt_amsdk_lead
Testing notes does not compile
Requirements None

Test Case amsdkA-386: Apps for android AnyCut App

Summary:
Run AnyCut app (from http://code.google.com/p/apps-for-android/)
Expected Results:
Application APK is properly installed and runs OK
Last Result: **Passed**
Build 2012-03-20
Tester gt_amsdk_lead
Requirements None

Test Case amsdkA-387: Apps for android Clickin2DaBeat App

Summary:
Run Clickin2DaBeat app (from http://code.google.com/p/apps-for-android/)
Expected Results:
Application APK is properly installed and runs OK
Last Result: **Passed**
Build 2012-03-20
Tester gt_amsdk_lead
Requirements None

Test Case amsdkA-388: Apps for android DivideAndConquer App

Summary:
Run DivideAndConquer app (from http://code.google.com/p/apps-for-android/)
Expected Results:
Application APK is properly installed and runs OK
Last Result: **Passed**
Build 2012-03-20
Tester gt_amsdk_lead
Requirements None

Test Case amsdkA-389: Apps for android HeightMapProfiler App

Summary:
Run HeightMapProfiler app (from http://code.google.com/p/apps-for-android/)

Expected Results:
Application APK is properly installed and runs OK

Last Result: **Passed**

Build 2012-03-20

Tester gt_amsdk_lead

Requirements None

Test Case amsdkA-390: Apps for android LOLcat Builder App

Summary:
Run LOLcat Builder app (from http://code.google.com/p/apps-for-android/)

Expected Results:
Application APK is properly installed and runs OK

Last Result: **Passed**

Build 2012-03-20

Tester gt_amsdk_lead

Requirements None

Test Case amsdkA-391: Apps for android Panoramio App

Summary:
Run Panoramio app (from http://code.google.com/p/apps-for-android/)

Expected Results:
Application APK is properly installed and runs OK

Last Result: **Failed**

Build 2012-03-20

Tester gt_amsdk_lead

Testing notes Failure [INSTALL_FAILED_MISSING_SHARED_LIBRARY]

Requirements None

Test Case amsdkA-392: Apps for android Photostream App

Summary:
Run Photostream app (from http://code.google.com/p/apps-for-android/)

Expected Results:
Application APK is properly installed and runs OK

Last Result: **Passed**

Build 2012-03-20
Tester gt_amsdk_lead
Requirements None

Test Case amsdkA-393: Apps for android Radar App

Summary:
Run Radar app (from http://code.google.com/p/apps-for-android/)
Expected Results:
Application APK is properly installed and runs OK
Last Result: **Failed**
Build 2012-03-20
Tester gt_amsdk_lead
Testing notes Failure [INSTALL_FAILED_MISSING_SHARED_LIBRARY]
Requirements None

Test Case amsdkA-394: Apps for android RingsExtended App

Summary:

Run RingsExtended app (from
http://code.google.com/p/apps-for-android/)
Steps:

1) instal RingsExtended apk

2) on the louncher open setting

3) select sound-> Phone Rington->Rings Extended then test the
functions.
Expected Results:

Application APK is properly installed and runs OK
Last Result: **Passed**
Build 2012-03-20
Tester gt_amsdk_lead
Requirements None

Test Case amsdkA-396: Apps for android SpriteMethodTest App

Summary:
Run SpriteMethodTest app (from
http://code.google.com/p/apps-for-android/)

Expected Results:
Application APK is properly installed and runs OK

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	None

Test Case amsdkA-397: Apps for android Translate App

Summary:
Run Translate app (from http://code.google.com/p/apps-for-android/)

Expected Results:
Application APK is properly installed and runs OK

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Is missing dictionaries but runs
Requirements	None

Test Case amsdkA-398: Apps for android WebViewDemo App

Summary:
Run WebViewDemo app (from http://code.google.com/p/apps-for-android/)

Expected Results:
Application APK is properly installed and runs OK

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	None

Test Case amsdkA-399: Apps for android WikiNotes App

Summary:
Run WikiNotes app (from http://code.google.com/p/apps-for-android/)

Expected Results:
Application APK is properly installed and runs OK

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	None

Test Case amsdkA-233: Replica Island

Summary:

Run Replica Island Game

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	None

2.2 Test Suite : Development Tools

Test Case amsdkA-14: ADB USB

Summary:
Use Android Debug Bridge (adb) tool to connect to the target via USB port and install an application (.apk)

Expected Results:
adb recognizes the device (adb devices) and can connect to it (adb shell)

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_23: ADB over OTG will be supported GR_46: Debugging procedure to setup adb over USB should be provided

Test Case amsdkA-15: ADB Ethernet

Summary:
Use Android Debug Bridge (adb) tool to connect to the target via ethernet port and install an application (.apk)

Steps:
On the host machine run the following commands from terminal shell: $ export ADBHOST= $ adb kill-server $ adb start-server On the target, type the following commands to avoid ADBD defaulting to USB transport. Restart ADBD to take the changed settings.: # setprop service.adb.tcp.port 5555 # stop adbd # start adbd

Expected Results:
adb recognizes the device (adb devices) and can connect to it (adb shell)

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_22: ADB over Ethernet will be supported

GR_45: Debugging procedure to setup adb over Ethernet should be provided

Test Case amsdkA-16: DDMS

Summary:
Use Dalvik Debug Monitor Service (DDMS) to watch processes running in the target, see process' threads, etc. Try to capture the device screen and to kill one process using DDMS.

Steps:
It is recommended to install Eclipse and the Android development (ADT) plugin to use DDMS, however it is not mandatory

Expected Results:
DDMS can connect to the device debug data is shown to the user

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_24: Application Development and Debugging through Eclipse and Android plugins will be supported GR_25: Android SDK from google (including tools) will be supported GR_44: Debugging procedure to setup eclipse with EVM should be provided or referred

2.3 Test Suite : Multimedia

2.3.1 Test Suite : Audio

2.3.1.1 Test Suite : Decode

Test Case amsdkA-30: HE-AACv2(enhanced AAC+)

Summary:

Mono/Stereo content in any combination of standard bit rates up to 160 kbps and sampling rates between 8 to 48kHz. File Fortmat is 3GPP (.3gp) and MPEG-4 (.mp4, .m4a). No support for raw AAC (.aac)

Expected Results:

Audio file plays fine

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead

Requirements AM33X_19: Android DevKit supports Audio Out (3.5mm jack)

Test Case amsdkA-31: AMR-NB

Summary:

4.75 to 12.2 kbps, sampled @ 8kHz, in a 3GPP (.3gp) container

Expected Results:

Audio file plays fine

Last Result: **Passed**

Build 2012-03-20

Tester gt_amsdk_lead

Requirements AM33X_19: Android DevKit supports Audio Out (3.5mm jack)

Test Case amsdkA-33: MP3

Summary:

Mono/Stereo 8-320Kbps constant (CBR) or variable bit-rate (VBR) in a MP3 (.mp3) container

Expected Results:

Audio file plays fine

Last Result: **Passed**

Build 2012-03-20

Tester gt_amsdk_lead

Requirements AM33X_19: Android DevKit supports Audio Out (3.5mm jack)

Test Case amsdkA-34: MIDI

Summary:

MIDI Type 0 and 1. DLS Version 1 and 2. XMF and Mobile XMF. Support for ringtone formats RTTTL/RTX, OTA and iMelody. File formats: Type 0 and 1 (.mid, .xmf, .mxmf). Also RTTTL/RTX (.rtttl, .rtx), OTA (.ota), and iMelody (.imy)

Expected Results:

Audio files play fine

Last Result: **Passed**

Build 2012-03-20

Tester gt_amsdk_lead

Requirements AM33X_19: Android DevKit supports Audio Out (3.5mm jack)

Test Case amsdkA-35: Ogg Vorbis

Summary:

Ogg Vorbis files in a Ogg (.ogg) container

Expected Results:

Audio file plays fine

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	AM33X_19: Android DevKit supports Audio Out (3.5mm jack)

Test Case amsdkA-36: PCM

Summary:

8- and 16-bit linear PCM (rates up to limit of hardware) in a Wave (.wav) container

Expected Results:

Audio file plays fine

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	AM33X_19: Android DevKit supports Audio Out (3.5mm jack)

2.3.2 Test Suite : Image

2.3.2.1 Test Suite : Decode

Test Case amsdkA-39: JPEG

Summary:

Display JPEG files using the Gallery app.

Steps:

Use the media app to display .jpg files, if no JPEG files in dut:

- Push a jpeg file to the dut via adb, "adb push <path to jpeg file> /sdcard/Images/<jpef file name>.

- Go to Launcher->Dev tools -> Media Scanner.

- Open the jpeg file with the Gallery app.

Expected Results:

File displays fine

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_82: Gallery Displays all Images and Videos from the External Storage Media

Test Case amsdkA-40: PNG

Summary:

Display PNG image with Galllery app.

Steps:

Use the media app to display .png files, if no PNG files in dut:

- Push a .png file to the dut via adb, "adb push <path to png file> /sdcard/Images/<png file name>.

- Go to Launcher->Dev tools -> Media Scanner.

- Open the png file with the Gallery app.

Expected Results:

File displays fine

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_82: Gallery Displays all Images and Videos from the External Storage Media

Test Case amsdkA-41: GIF

Summary:

Display GIF image with Gallery app.

Steps:

Use the media app to display .gif files, if no GIF files in dut:

- Push a .gif file to the dut via adb, "adb push <path to gif file> /sdcard/Images/<gif file name>.

- Go to Launcher->Dev tools -> Media Scanner.

- Open the gif file with the Gallery app.

Expected Results:

File displays fine

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_82: Gallery Displays all Images and Videos from the External Storage Media

Test Case amsdkA-42: BMP

Summary:

Display BMP Image with Gallery app.

Steps:

Use the media app to display .bmp files, if no BMP files in dut:

- Push a .bmp file to the dut via adb, "adb push <path to bmp file> /sdcard/Images/<bmp file name>.

- Go to Launcher->Dev tools -> Media Scanner.

- Open the bmp file with the Gallery app.

Expected Results:

File displays fine

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_82: Gallery Displays all Images and Videos from the External Storage Media

2.3.3 Test Suite : Video

2.3.3.1 Test Suite : Decode

Test Case amsdkA-44: H.263

Summary:

H.263 files in 3GPP (.3gp) container
Expected Results:

Video file plays fine

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Test case PASS.
	LOG PATH
Requirements	GR_82: Gallery Displays all Images and Videos from the External Storage Media AM33X_17: Android DevKit supports LCD 7inch panel

Test Case amsdkA-45: H.264

Summary:

H.264 files in 3GPP (.3gp) and MPEG-4 (.mp4) container
Expected Results:

Video file plays fine

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Test case PASS.
	LOG PATH
Requirements	GR_82: Gallery Displays all Images and Videos from the External Storage Media AM33X_17: Android DevKit supports LCD 7inch panel

Test Case amsdkA-46: MPEG4 SP

Summary:

MPEG4 Simple Profile files in 3GPP (.3gp) container
Expected Results:

Video file plays fine

Last Result:	**Passed**
Build	2012-03-20

Tester	gt_amsdk_lead
Testing notes	Test case PASS.
	LOG PATH
Requirements	GR_82: Gallery Displays all Images and Videos from the External Storage Media AM33X_17: Android DevKit supports LCD 7inch panel

Test Case amsdkA-772: MPEG4_352x288_15mbps_aac

Summary:

H.264 files in 3GPP (.3gp) container

Expected Results:

Video file plays fine

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Test case PASS.
	LOG PATH
Requirements	None

Test Case amsdkA-774: H.264_704x576_4mbps_aac

Summary:

H.264 files in mpeg4 (.mp4) container

Expected Results:

Video file plays fine

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Test case PASS.
	LOG PATH
Requirements	None

Test Case amsdkA-775: H.264_640x360_4mbps_aac

Summary:
H.263 files in 3GPP (.3gp) container
Expected Results:
Video file plays fine

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Test case PASS.
	LOG PATH
Requirements	None

Test Case amsdkA-776: H.264_352x288_4mbps_aac

Summary:

H.264 files in 3GPP(.3gp) container
Expected Results:

Video file plays fine

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Test case PASS.
	LOG PATH
Requirements	None

Test Case amsdkA-777: H.263_352x288_4mbps_aac

Summary:

H.263 files in 3GPP (.3gp) container
Expected Results:

Video file plays fine

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Test case PASS.
	LOG PATH
Requirements	None

Test Case amsdkA-779: MPEG4_176x144_15mbps_aac

Summary:

H.264 files in 3GPP (.3gp) container

Expected Results:

Video file plays fine

Last Result:	**Failed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Video does not look good in this resolution
Requirements	None

Test Case amsdkA-780: MPEG4_640x360_15mbps_aac

Summary:

MPEG4 files in 3GPP (.3gp) container

Expected Results:

Video file plays fine

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Test case PASS. LOG PATH
Requirements	None

Test Case amsdkA-781: MPEG4_704x576_15mbps_aac

Summary:

H.263 files in 3GPP (.3gp) container

Expected Results:

Video file plays fine

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Test case PASS. LOG PATH
Requirements	None

Test Case amsdkA-782: MPEG4_720x480_15mbps_aac

Summary:

MPEG4 files in 3GPP (.3gp) container

Expected Results:

Video file plays fine

Last Result:	**Failed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	SIGTERM
	LOG PATH
Requirements	None

Test Case amsdkA-784: H.264_720x480_4mbps_aac

Summary:

H.264 files in mpeg4 (.mp4) container

Expected Results:

Video file plays fine

Last Result:	**Failed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Test case FAIL.
	LOG PATH
Requirements	None

Test Case amsdkA-787: MPEG4_BigBuckBunny

Summary:

MPEG4 files in 3GPP (.3gp) container

Expected Results:

Video file plays fine

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead

Testing notes	Test case PASS. LOG PATH
Requirements	None

3 Test Suite : Performance

This test suite tries to measure key performance metrics in different areas:

1. System
2. Graphics
3. Browser

3.1 Test Suite : System

Test Case amsdkA-117: Boot time

Summary:

Measure the time it takes since kernel image starts being downloaded until Android home screen appears.

Steps:

Boot the DUT and measure the boot time.

Expected Results:

Less or equal than previous release

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	First boot: 70 sec Others: 38 sec
Requirements	AM33X_38: Android DevKit supports Total Booting Time < 28 Seconds for NAND (Less than 10 Seconds for Kernel)

Test Case amsdkA-593: Quadrant Benchmark

Summary:

Install and run aurorasoftworks Quadrant benchamrk

Steps:

Install and run Qudrant, and save the results

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_52: List of Benchmarking applications used to be provided GR_53: Benchmark scores should be provided GR_54: Procedure to execute benchmark applications should be provided GR_70: Rowboperf Open up to give a MATRIX view of various Benchmarking and Demo Applications

3.2 Test Suite : 0xBench

Test Case amsdkA-89: 0xBench Math Linpack test

Summary:

0xBench Math Linpack test.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	MathLinpack performance data collected successfully LOG PATH
Requirements	GR_53: Benchmark scores should be provided GR_71: ARM Benchmarks Dhrystone, Whetstone and Linpack are prt of Rowboperf GR_72: 3D Demos which utilize SGX Core - Chameleon Man, Coverflow and Vase are part of RowboPerf GR_73: Benchmark Suite Rowbot Bench is part of Rowboperf GR_74: Benchmark Suite 0xbench is part of Rowboperf

Test Case amsdkA-90: 0xBench Math Scimark2 test

Summary:

0xBench Math Scimark2 test.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	MathScimark2 performance data collected successfully

	LOG PATH
Requirements	GR_53: Benchmark scores should be provided GR_71: ARM Benchmarks Dhrystone, Whetstone and Linpack are prt of Rowboperf GR_72: 3D Demos which utilize SGX Core - Chameleon Man, Coverflow and Vase are part of RowboPerf GR_73: Benchmark Suite Rowbot Bench is part of Rowboperf GR_74: Benchmark Suite 0xbench is part of Rowboperf

Test Case amsdkA-91: 0xBench 2D Draw Canvas test

Summary:

0xBench 2D Draw Canvas test.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	2DDrawCanvas performance data collected successfully
	LOG PATH
Requirements	GR_53: Benchmark scores should be provided GR_71: ARM Benchmarks Dhrystone, Whetstone and Linpack are prt of Rowboperf GR_72: 3D Demos which utilize SGX Core - Chameleon Man, Coverflow and Vase are part of RowboPerf GR_73: Benchmark Suite Rowbot Bench is part of Rowboperf GR_74: Benchmark Suite 0xbench is part of Rowboperf

Test Case amsdkA-92: 0xBench 2D Draw Circle test

Summary:

0xBench 2D Draw Circle test.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	2DDrawCircle performance data collected successfully
	LOG PATH
Requirements	GR_53: Benchmark scores should be provided GR_71: ARM Benchmarks Dhrystone, Whetstone and Linpack are prt of Rowboperf GR_72: 3D Demos which utilize SGX Core - Chameleon Man, Coverflow and Vase are part of RowboPerf GR_73: Benchmark Suite Rowbot Bench is part of Rowboperf

GR_74: Benchmark Suite 0xbench is part of Rowboperf

Test Case amsdkA-93: 0xBench 2D Draw Circle2 test

Summary:

0xBench 2D Draw Circle2 test.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	2DDrawCircle2 performance data collected successfully
	LOG PATH
Requirements	GR_53: Benchmark scores should be provided GR_71: ARM Benchmarks Dhrystone, Whetstone and Linpack are prt of Rowboperf GR_72: 3D Demos which utilize SGX Core - Chameleon Man, Coverflow and Vase are part of RowboPerf GR_73: Benchmark Suite Rowbot Bench is part of Rowboperf GR_74: Benchmark Suite 0xbench is part of Rowboperf

Test Case amsdkA-94: 0xBench 2D Draw Rect test

Summary:

0xBench 2D Draw Rect test.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	2DDrawRect performance data collected successfully
	LOG PATH
Requirements	GR_53: Benchmark scores should be provided GR_71: ARM Benchmarks Dhrystone, Whetstone and Linpack are prt of Rowboperf GR_72: 3D Demos which utilize SGX Core - Chameleon Man, Coverflow and Vase are part of RowboPerf GR_73: Benchmark Suite Rowbot Bench is part of Rowboperf GR_74: Benchmark Suite 0xbench is part of Rowboperf

Test Case amsdkA-95: 0xBench 2D Draw Arc test

Summary:

0xBench 2D Draw Arc test.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	2DDrawArc performance data collected successfully
	LOG PATH
Requirements	GR_71: ARM Benchmarks Dhrystone, Whetstone and Linpack are prt of Rowboperf GR_72: 3D Demos which utilize SGX Core - Chameleon Man, Coverflow and Vase are part of RowboPerf GR_73: Benchmark Suite Rowbot Bench is part of Rowboperf GR_74: Benchmark Suite 0xbench is part of Rowboperf

Test Case amsdkA-96: 0xBench 2D Draw Image test

Summary:

0xBench 2D Draw Image test.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	2DDrawImage performance data collected successfully
	LOG PATH
Requirements	GR_53: Benchmark scores should be provided GR_71: ARM Benchmarks Dhrystone, Whetstone and Linpack are prt of Rowboperf GR_72: 3D Demos which utilize SGX Core - Chameleon Man, Coverflow and Vase are part of RowboPerf GR_73: Benchmark Suite Rowbot Bench is part of Rowboperf GR_74: Benchmark Suite 0xbench is part of Rowboperf

Test Case amsdkA-97: 0xBench 2D Draw Text test

Summary:

0xBench2D Draw Text test.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	2DDrawText performance data collected successfully
	LOG PATH

Requirements	GR_53: Benchmark scores should be provided GR_71: ARM Benchmarks Dhrystone, Whetstone and Linpack are prt of Rowboperf GR_72: 3D Demos which utilize SGX Core - Chameleon Man, Coverflow and Vase are part of RowboPerf GR_73: Benchmark Suite Rowbot Bench is part of Rowboperf GR_74: Benchmark Suite 0xbench is part of Rowboperf

Test Case amsdkA-98: 0xBench 3D OpenGL Cube test

Summary:

0xBench 3D OpenGL Cube test.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	3DOpenGLCube performance data collected successfully LOG PATH
Requirements	GR_53: Benchmark scores should be provided GR_71: ARM Benchmarks Dhrystone, Whetstone and Linpack are prt of Rowboperf GR_72: 3D Demos which utilize SGX Core - Chameleon Man, Coverflow and Vase are part of RowboPerf GR_73: Benchmark Suite Rowbot Bench is part of Rowboperf GR_74: Benchmark Suite 0xbench is part of Rowboperf

Test Case amsdkA-99: 0xBench 3D OpenGL Blending test

Summary:

0xBench 3D OpenGL Blending test.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	3DOpenGLBlending performance data collected successfully LOG PATH
Requirements	GR_53: Benchmark scores should be provided GR_71: ARM Benchmarks Dhrystone, Whetstone and Linpack are prt of Rowboperf GR_72: 3D Demos which utilize SGX Core - Chameleon Man, Coverflow and Vase are part of RowboPerf GR_73: Benchmark Suite Rowbot Bench is part of Rowboperf GR_74: Benchmark Suite 0xbench is part of Rowboperf

Test Case amsdkA-100: 0xBench 3D OpenGL Fog test

Summary:

0xBench 3D OpenGL Fog test.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	3DOpenGLFog performance data collected successfully
	LOG PATH
Requirements	GR_53: Benchmark scores should be provided GR_71: ARM Benchmarks Dhrystone, Whetstone and Linpack are prt of Rowboperf GR_72: 3D Demos which utilize SGX Core - Chameleon Man, Coverflow and Vase are part of RowboPerf GR_73: Benchmark Suite Rowbot Bench is part of Rowboperf GR_74: Benchmark Suite 0xbench is part of Rowboperf

Test Case amsdkA-101: 0xBench 3D OpenGL Flying Teapot test

Summary:

0xBench 3D OpenGL Flying Teapot test.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	3DOpenGLTeapot performance data collected successfully
	LOG PATH
Requirements	GR_53: Benchmark scores should be provided GR_71: ARM Benchmarks Dhrystone, Whetstone and Linpack are prt of Rowboperf GR_72: 3D Demos which utilize SGX Core - Chameleon Man, Coverflow and Vase are part of RowboPerf GR_73: Benchmark Suite Rowbot Bench is part of Rowboperf GR_74: Benchmark Suite 0xbench is part of Rowboperf

Test Case amsdkA-102: 0xBench VM Garbage Collection test

Summary:

0xBench VM Garbage Collection test.

Last Result: **Passed**

Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	VMGC performance data collected successfully
	LOG PATH
Requirements	GR_53: Benchmark scores should be provided GR_71: ARM Benchmarks Dhrystone, Whetstone and Linpack are prt of Rowboperf GR_72: 3D Demos which utilize SGX Core - Chameleon Man, Coverflow and Vase are part of RowboPerf GR_73: Benchmark Suite Rowbot Bench is part of Rowboperf GR_74: Benchmark Suite 0xbench is part of Rowboperf

3.3 Test Suite : Netperf

Tool to measure TCP/UDP bandwidth.

More information available at http://www.netperf.org/netperf/NetperfPage.html

Test Case amsdkA-105: TCP Stream, Buffer size 16 KB

Summary:

Measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

1) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

2) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

3) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 16

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 16384 53.64
	LOG PATH
Requirements	GR_20: Ethernet operation upto 25MB/s AM33X_36: Android DevKit supports ETHERNET Boot AM33X_5: Android DevKit supports Ethernet

Test Case amsdkA-106: TCP Stream, Buffer size 32 KB

Summary:

Measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

1) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

2) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

3) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 32

Last Result: **Passed**

Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 32768 52.67
	LOG PATH
Requirements	GR_20: Ethernet operation upto 25MB/s AM33X_5: Android DevKit supports Ethernet

Test Case amsdkA-107: TCP Stream, Buffer size 64 KB

Summary:

Measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

1) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

2) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

3) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 64

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 65536 51.94
	LOG PATH
Requirements	

GR_20: Ethernet operation upto 25MB/s
AM33X_5: Android DevKit supports Ethernet

Test Case amsdkA-108: TCP Stream, Buffer size 128 KB

Summary:

Measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

1) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

2) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

3) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 128

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 131072 52.97
	LOG PATH
Requirements	GR_20: Ethernet operation upto 25MB/s AM33X_5: Android DevKit supports Ethernet

Test Case amsdkA-109: TCP Stream, Buffer size 256

Summary:

Measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

1) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

2) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

3) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 256

Last Result:	**Failed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Performance is less than 30.0 Mb/s. AVG Throughput=23.06 Buffer Size Throughput 256 23.06 LOG PATH
Requirements	GR_20: Ethernet operation upto 25MB/s AM33X_5: Android DevKit supports Ethernet

Test Case amsdkA-110: TCP Stream, Buffer size 512

Summary:

Measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

1) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

2) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

3) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 512

Last Result:	**Failed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Performance is less than 30.0 Mb/s. AVG Throughput=23.0 Buffer Size Throughput 512 23.0 LOG PATH
Requirements	GR_20: Ethernet operation upto 25MB/s AM33X_5: Android DevKit supports Ethernet

Test Case amsdkA-111: TCP Stream, Buffer size 1024

Summary:

Measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

1) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

2) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

3) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 1024

Last Result:	**Failed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Performance is less than 30.0 Mb/s. AVG Throughput=23.02 Buffer Size Throughput 1024 23.02 LOG PATH
Requirements	GR_20: Ethernet operation upto 25MB/s AM33X_5: Android DevKit supports Ethernet

Test Case amsdkA-112: TCP Stream, Buffer size 4096

Summary:

Measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

1) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

2) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

3) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 4096

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 4096 55.07
	LOG PATH
Requirements	GR_20: Ethernet operation upto 25MB/s AM33X_5: Android DevKit supports Ethernet

Test Case amsdkA-113: TCP Stream, Buffer size 8192

Summary:

Measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

1) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

2) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

3) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 8192

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 8192 55.1
	LOG PATH
Requirements	GR_20: Ethernet operation upto 25MB/s AM33X_5: Android DevKit supports Ethernet

3.4 Test Suite : Browser

Measure browser performance using publicly available tools.

Test Case amsdkA-262: Acid3 tests

Summary:

Measure Browser functionality and performance by running http://acid3.acidtests.org/ tests

Steps:

Run automated test or manually open the browser and go to http://acid3.acidtests.org/

Expected Results:

Score 100 out of 100.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Test case PASS.
	LOG PATH
Requirements	GR_73: Benchmark Suite Rowbot Bench is part of Rowboperf AM33X_11: Android DevKit supports Serial Console

Test Case amsdkA-115: Sunspider test

Summary:

Measure Javascript performance by running
http://www2.webkit.org/perf/sunspider/sunspider.html tests

Steps:

Run automated test or manually open the browser and go to
http://www2.webkit.org/perf/sunspider-0.9/sunspider.html

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Test case PASS.
	LOG PATH
Requirements	GR_73: Benchmark Suite Rowbot Bench is part of Rowboperf

Test Case amsdkA-263: Kraken test

Summary:

Measure Browser Javascript performance by running
http://krakenbenchmark.mozilla.org/index.html tests

Steps:

Run automated test or manually open the browser and go to
http://krakenbenchmark.mozilla.org/index.html

Last Result:	**Failed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_73: Benchmark Suite Rowbot Bench is part of Rowboperf

Test Case amsdkA-264: V8 Browser peformance test

Summary:

Measure Javascript performance by running
http://v8.googlecode.com/svn/data/benchmarks/v6/run.html tests

Steps:

Run automated test or manually open the browser and go to
http://v8.googlecode.com/svn/data/benchmarks/v6/run.html

Expected Results:

At least a score of 100.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Test case PASS.
	LOG PATH
Requirements	GR_73: Benchmark Suite Rowbot Bench is part of Rowboperf

3.5 Test Suite : RowboPerf

Various Performance metrics

Test Case amsdkA-118: Dhrystone

Summary:

Measure Dhrystone bechmark

Steps:

Run RowboPerf's Dhrystone application

Expected Results:

As good or better than previous

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Test case PASS.
	LOG PATH
Requirements	GR_71: ARM Benchmarks Dhrystone, Whetstone and Linpack are prt of Rowboperf

Test Case amsdkA-119: Whetstone

Summary:

Measure Whetstone metric

Steps:

Run RowboPerf's Whetstone application

Expected Results:

As good or better than previous release

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Test case PASS. LOG PATH
Requirements	GR_71: ARM Benchmarks Dhrystone, Whetstone and Linpack are prt of Rowboperf

Test Case amsdkA-120: Linpack

Summary:

Measure Linpack metrics

Steps:

Run RowboPerf's Linpack application

Expected Results:

As good or better than previous release

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Test case PASS. LOG PATH
Requirements	GR_71: ARM Benchmarks Dhrystone, Whetstone and Linpack are prt of Rowboperf

3.6 Test Suite : adb

Android Debug Bridge performance.

Before running each automated test case, the user MUST set enable in the target and in the host PC, the desire adb connection type (i.e. usb or ethernet).

The test cases do not take care of setting the adb type but instead will use the default adb connectivity available.

Test Case amsdkA-121: adb USB Performance

Summary:

Measure Android Debug bridge performance using USB connection

Steps:

Push and pull a 20MB file 10 times and measure the throughput

Expected Results:

As good or better than previous release

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Mean-TX=2595.1 Mean-RX=5318.7
	LOG PATH
Requirements	GR_23: ADB over OTG will be supported AM33X_8: Android DevKit supports USB as OTG

Test Case amsdkA-122: adb ethernet Performance

Summary:

Measure Android Debug bridge performance using ethernet connection

Steps:

Push and pull a 20MB file 10 times and measure the throughput

Expected Results:

As good or better than previous release

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Mean-TX=2734.0 Mean-RX=2264.8
	LOG PATH
Requirements	GR_22: ADB over Ethernet will be supported

3.7 Test Suite : Storage

Read and Write performance tests

3.7.1 Test Suite : MMC/SD

Test Case amsdkA-277: MMC/SD vfat partition write/read test with a block size of 512 bytes and a file

Summary:
---- Warning ----
TestLink Warning
test case name is too long (103 chars) > 100 => has been truncated
Original name
MMC/SD vfat partition write/read test with a block size of 512 bytes and a file of size 104857600 bytes
---- *** ----

MMC/SD vfat partition write/read test with a block size of 512 bytes and a file of size 104857600 bytes

Steps:

Manual execution

1) Verify that you have StorageIO installed in the dut

2) Mount a MMC/SD vfat partition on the dut's file system, if not already mounted

3) Start StorageIO on the dut

4) Select the partition mounted in step 2) from the External Device: Spinner

5) Enter 512 in the Block Size: field

6) Enter 104857600 in the File Size: field

7) Click the Run button, and wait for the results screen

8) Collect the Write and Read Throughput

Expected Results:
Throughput should be as goog or better than the last release

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	StorageIO performance data collected successfully LOG PATH
Requirements	GR_75: Rowboperf includes StorageIO to measure storage Performance of mounted Devices AM33X_25: Android DevKit supports MMC/SD as Data Storage AM33X_26: Android DevKit supports MMC/SD as Root Filesystem (EXT3)

Test Case amsdkA-278: MMC/SD vfat partition write/read test with a block size of 4096 bytes and a file

Summary:
---- Warning ----
TestLink Warning
test case name is too long (104 chars) > 100 => has been truncated
Original name
MMC/SD vfat partition write/read test with a block size of 4096 bytes and a file of size 104857600 bytes
---- *** ----

MMC/SD vfat partition write/read test with a block size of 4096 bytes and a file of size 104857600 bytes

Steps:

Manual execution

1) Verify that you have StorageIO installed in the dut

2) Mount a MMC/SD vfat partition on the dut's file system, if not already mounted

3) Start StorageIO on the dut

4) Select the partition mounted in step 2) from the External Device: Spinner

5) Enter 4096 in the Block Size: field

6) Enter 104857600 in the File Size: field

7) Click the Run button, and wait for the results screen

8) Collect the Write and Read Throughput

Expected Results:
Throughput should be as goog or better than the last release

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	StorageIO performance data collected successfully LOG PATH
Requirements	GR_75: Rowboperf includes StorageIO to measure storage Performance of mounted Devices AM33X_23: Android DevKit supports NAND as Data Storage AM33X_25: Android DevKit supports MMC/SD as Data Storage AM33X_34: Android DevKit supports NAND Boot

Test Case amsdkA-279: MMC/SD vfat partition write/read test with a block size of 16384 bytes and a fil

Summary:
---- Warning ----
TestLink Warning
test case name is too long (105 chars) > 100 => has been truncated
Original name
MMC/SD vfat partition write/read test with a block size of 16384 bytes and a file of size 104857600 bytes
---- *** ----

MMC/SD vfat partition write/read test with a block size of 16384 bytes and a file of size 104857600 bytes

Steps:

Manual execution

1) Verify that you have StorageIO installed in the dut

2) Mount a MMC/SD vfat partition on the dut's file system, if not already mounted

3) Start StorageIO on the dut

4) Select the partition mounted in step 2) from the External Device: Spinner

5) Enter 16384 in the Block Size: field

6) Enter 104857600 in the File Size: field

7) Click the Run button, and wait for the results screen

8) Collect the Write and Read Throughput

Expected Results:
Throughput should be as goog or better than the last release

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	StorageIO performance data collected successfully LOG PATH
Requirements	GR_75: Rowboperf includes StorageIO to measure storage Performance of mounted Devices AM33X_25: Android DevKit supports MMC/SD as Data Storage AM33X_26: Android DevKit supports MMC/SD as Root Filesystem (EXT3)

Test Case amsdkA-280: MMC/SD vfat partition write/read test with a block size of 65536 bytes and a fil

Summary:
---- Warning ----
TestLink Warning
test case name is too long (105 chars) > 100 => has been truncated
Original name
MMC/SD vfat partition write/read test with a block size of 65536 bytes and a file of size 104857600 bytes
---- *** ----

MMC/SD vfat partition write/read test with a block size of 65536 bytes and a file of size 104857600 bytes

Steps:

Manual execution

1) Verify that you have StorageIO installed in the dut

2) Mount a MMC/SD vfat partition on the dut's file system, if not already mounted

3) Start StorageIO on the dut

4) Select the partition mounted in step 2) from the External Device: Spinner

5) Enter 65536 in the Block Size: field

6) Enter 104857600 in the File Size: field

7) Click the Run button, and wait for the results screen

8) Collect the Write and Read Throughput

Expected Results:
Throughput should be as goog or better than the last release

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	StorageIO performance data collected successfully LOG PATH
Requirements	GR_75: Rowboperf includes StorageIO to measure storage Performance of mounted Devices AM33X_25: Android DevKit supports MMC/SD as Data Storage AM33X_26: Android DevKit supports MMC/SD as Root Filesystem (EXT3)

Test Case amsdkA-281: MMC/SD vfat partition write/read test with a block size of 524288 bytes and a fi

Summary:
---- Warning ----
TestLink Warning
test case name is too long (106 chars) > 100 => has been truncated
Original name
MMC/SD vfat partition write/read test with a block size of 524288 bytes and a file of size 104857600 bytes
---- *** ----

MMC/SD vfat partition write/read test with a block size of 524288 bytes and a file of size 104857600 bytes

Steps:

Manual execution

1) Verify that you have StorageIO installed in the dut

2) Mount a MMC/SD vfat partition on the dut's file system, if not already mounted

3) Start StorageIO on the dut

4) Select the partition mounted in step 2) from the External Device: Spinner

5) Enter 524288 in the Block Size: field

6) Enter 104857600 in the File Size: field

7) Click the Run button, and wait for the results screen

8) Collect the Write and Read Throughput

Expected Results:
Throughput should be as goog or better than the last release

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	StorageIO performance data collected successfully LOG PATH
Requirements	GR_75: Rowboperf includes StorageIO to measure storage Performance of mounted Devices AM33X_25: Android DevKit supports MMC/SD as Data Storage AM33X_26: Android DevKit supports MMC/SD as Root Filesystem (EXT3)

Test Case amsdkA-282: MMC/SD vfat partition write/read test with a block size of 1048576 bytes and a f

Summary:
---- Warning ----
TestLink Warning
test case name is too long (107 chars) > 100 => has been truncated
Original name
MMC/SD vfat partition write/read test with a block size of 1048576 bytes and a file of size 104857600 bytes

---- *** ----

MMC/SD vfat partition write/read test with a block size of 1048576 bytes and a file of size 104857600 bytes

Steps:

Manual execution

1) Verify that you have StorageIO installed in the dut

2) Mount a MMC/SD vfat partition on the dut's file system, if not already mounted

3) Start StorageIO on the dut

4) Select the partition mounted in step 2) from the External Device: Spinner

5) Enter 1048576 in the Block Size: field

6) Enter 104857600 in the File Size: field

7) Click the Run button, and wait for the results screen

8) Collect the Write and Read Throughput

Expected Results:
Throughput should be as goog or better than the last release

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	StorageIO performance data collected successfully LOG PATH
Requirements	GR_75: Rowboperf includes StorageIO to measure storage Performance of mounted Devices AM33X_25: Android DevKit supports MMC/SD as Data Storage AM33X_26: Android DevKit supports MMC/SD as Root Filesystem (EXT3)

Test Case amsdkA-891: MMC/SD vfat partition write/read test with a block size of 5242880 bytes and a file

Summary:
---- Warning ----
TestLink Warning
test case name is too long (103 chars) > 100 => has been truncated
Original name
MMC/SD vfat partition write/read test with a block size of 5242880 bytes and a file of size 104857600 bytes
---- *** ----

MMC/SD vfat partition write/read test with a block size of 5242880 bytes and a file of size 104857600 bytes

Steps:

Manual execution

1) Verify that you have StorageIO installed in the dut

2) Mount a MMC/SD vfat partition on the dut's file system, if not already mounted

3) Start StorageIO on the dut

4) Select the partition mounted in step 2) from the External Device: Spinner

5) Enter 5242880 in the Block Size: field

6) Enter 104857600 in the File Size: field

7) Click the Run button, and wait for the results screen

8) Collect the Write and Read Throughput

Expected Results:
Throughput should be as goog or better than the last release

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	StorageIO performance data collected successfully LOG PATH
Requirements	GR_75: Rowboperf includes StorageIO to measure storage Performance of mounted Devices AM33X_25: Android DevKit supports MMC/SD as Data Storage

Test Case amsdkA-892: MMC/SD vfat partition write/read test with a block size of 102400 bytes and a file

Summary:
---- Warning ----
TestLink Warning
test case name is too long (103 chars) > 100 => has been truncated
Original name
MMC/SD vfat partition write/read test with a block size of 102400 bytes and a file of size 104857600 bytes
---- *** ----

MMC/SD vfat partition write/read test with a block size of 102400 bytes and a file of size 104857600 bytes

Steps:

Manual execution

1) Verify that you have StorageIO installed in the dut

2) Mount a MMC/SD vfat partition on the dut's file system, if not already mounted

3) Start StorageIO on the dut

4) Select the partition mounted in step 2) from the External Device: Spinner

5) Enter 102400 in the Block Size: field

6) Enter 104857600 in the File Size: field

7) Click the Run button, and wait for the results screen

8) Collect the Write and Read Throughput

Expected Results:
Throughput should be as goog or better than the last release

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead

Testing notes	StorageIO performance data collected successfully LOG PATH
Requirements	GR_75: Rowboperf includes StorageIO to measure storage Performance of mounted Devices AM33X_25: Android DevKit supports MMC/SD as Data Storage AM33X_26: Android DevKit supports MMC/SD as Root Filesystem (EXT3)

Test Case amsdkA-893: MMC/SD vfat partition write/read test with a block size of 262144 bytes and a file

Summary:
---- Warning ----
TestLink Warning
test case name is too long (103 chars) > 100 => has been truncated
Original name
MMC/SD vfat partition write/read test with a block size of 262144 bytes and a file of size 104857600 bytes
---- *** ----

MMC/SD vfat partition write/read test with a block size of 262144 bytes and a file of size 104857600 bytes

Steps:

Manual execution

1) Verify that you have StorageIO installed in the dut

2) Mount a MMC/SD vfat partition on the dut's file system, if not already mounted

3) Start StorageIO on the dut

4) Select the partition mounted in step 2) from the External Device: Spinner

5) Enter 262144 in the Block Size: field

6) Enter 104857600 in the File Size: field

7) Click the Run button, and wait for the results screen

8) Collect the Write and Read Throughput

Expected Results:
Throughput should be as goog or better than the last release

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	StorageIO performance data collected successfully LOG PATH
Requirements	GR_75: Rowboperf includes StorageIO to measure storage Performance of mounted Devices AM33X_25: Android DevKit supports MMC/SD as Data Storage AM33X_26: Android DevKit supports MMC/SD as Root Filesystem (EXT3)

3.8 Test Suite : WLAN

Measure wireless LAN performance using NETPERF.

The Setup involves connecting the DUT to an access point that has a Linux system connected to it via Ethernet swicth. Netserver is run at the Linux Host, while netperf is run at the DUT.

More information about NETPERF is available at http://www.netperf.org/netperf/NetperfPage.html

3.8.1 Test Suite : Non-secure

Test Case amsdkA-292: WLAN Non-secure, TCP Stream, Buffer size 1024

Summary:

WLAN Non-secure test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a Non-secure wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 1024

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 1024 6.93 LOG PATH
Requirements	GR_39: Commands to compile the sources of Kernel, U-boot, X-loader and WLAN will be provided GR_40: Commands to integrate WLAN packages will be provided AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-293: WLAN Non-secure, TCP Stream, Buffer size 4096

Summary:

WLAN Non-secure test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a Non-secure wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 4096

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 4096 14.4
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-294: WLAN Non-secure, TCP Stream, Buffer size 8192

Summary:

WLAN Non-secure test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a Non-secure wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 8192

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 8192 21.18
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-894: WLAN Non-secure, TCP Stream, Buffer size 16 KB

Summary:

WLAN Non-secure test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a Non-secure wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 16384

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 16384 27.33
	LOG PATH
Requirements	GR_39: Commands to compile the sources of Kernel, U-boot, X-loader and WLAN will be provided GR_40: Commands to integrate WLAN packages will be provided AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-895: WLAN Non-secure, TCP Stream, Buffer size 32 KB

Summary:

WLAN Non-secure test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a Non-secure wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 32768

Last Result: **Passed**

Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 32768 30.16
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-896: WLAN Non-secure, TCP Stream, Buffer size 64 KB

Summary:

WLAN Non-secure test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a Non-secure wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 65536

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 65536 30.54

	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-897: WLAN Non-secure, TCP Stream, Buffer size 128 KB

Summary:

WLAN Non-secure test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a Non-secure wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 131702

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 131702 30.4
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

3.8.2 Test Suite : WEP 40 bits

Test Case amsdkA-295: WLAN WEP 40 bits, TCP Stream, Buffer size 1024

Summary:

WLAN WEP 40 bits test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WEP 40 bits wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 1024

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 1024 6.18
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-296: WLAN WEP 40 bits, TCP Stream, Buffer size 4096

Summary:

WLAN WEP 40 bits test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WEP 40 bits wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 4096

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 4096 12.47
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-297: WLAN WEP 40 bits, TCP Stream, Buffer size 8192

Summary:

WLAN WEP 40 bits test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WEP 40 bits wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 8192

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 8192 18.6
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-898: WLAN WEP 40 bits, TCP Stream, Buffer size 16 KB

Summary:

WLAN WEP 40 bits test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WEP 40 bits wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 16384

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 16384 20.72
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-899: WLAN WEP 40 bits, TCP Stream, Buffer size 32 KB

Summary:

WLAN WEP 40 bits test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WEP 40 bits wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 32768

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 32768 21.08
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-900: WLAN WEP 40 bits, TCP Stream, Buffer size 64 KB

Summary:

WLAN WEP 40 bits test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WEP 40 bits wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 65536

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 65536 21.06
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-901: WLAN WEP 40 bits, TCP Stream, Buffer size 128 KB

Summary:

WLAN WEP 40 bits test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WEP 40 bits wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 131702

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 131702 21.14
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

3.8.3 Test Suite : WEP 128 bits

Test Case amsdkA-298: WLAN WEP 128 bits, TCP Stream, Buffer size 1024

Summary:

WLAN WEP 128 bits test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WEP 128 bits wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 1024

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 1024 6.15
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-299: WLAN WEP 128 bits, TCP Stream, Buffer size 4096

Summary:

WLAN WEP 128 bits test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WEP 128 bits wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 4096

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 4096 12.43
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-300: WLAN WEP 128 bits, TCP Stream, Buffer size 8192

Summary:

WLAN WEP 128 bits test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WEP 128 bits wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 8192

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 8192 18.66

	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-902: WLAN WEP 128 bits, TCP Stream, Buffer size 16 KB

Summary:

WLAN WEP 128 bits test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WEP 128 bits wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 16384

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 16384 20.63
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-903: WLAN WEP 128 bits, TCP Stream, Buffer size 32 KB

Summary:

WLAN WEP 128 bits test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WEP 128 bits wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 32768

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 32768 21.05
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-904: WLAN WEP 128 bits, TCP Stream, Buffer size 64 KB

Summary:

WLAN WEP 128 bits test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WEP 128 bits wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 65536

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 65536 21.1
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-905: WLAN WEP 128 bits, TCP Stream, Buffer size 128 KB

Summary:

WLAN WEP 128 bits test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WEP 128 bits wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 131702

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 131702 21.14
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

3.8.4 Test Suite : WPA-PSK

Test Case amsdkA-301: WLAN WPA-PSK, TCP Stream, Buffer size 1024

Summary:

WLAN WPA-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WPA-PSK wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 1024

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 1024 6.22
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-302: WLAN WPA-PSK, TCP Stream, Buffer size 4096

Summary:

WLAN WPA-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WPA-PSK wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 4096

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 4096 12.34
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-303: WLAN WPA-PSK, TCP Stream, Buffer size 8192

Summary:

WLAN WPA-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WPA-PSK wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 8192

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 8192 18.34
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-906: WLAN WPA-PSK, TCP Stream, Buffer size 16 KB

Summary:

WLAN WPA-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WPA-PSK wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 16384

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 16384 20.54
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-907: WLAN WPA-PSK, TCP Stream, Buffer size 32 KB

Summary:

WLAN WPA-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WPA-PSK wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 32768

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 32768 20.88
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-908: WLAN WPA-PSK, TCP Stream, Buffer size 64 KB

Summary:

WLAN WPA-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WPA-PSK wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 65536

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 65536 21.04

	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-909: WLAN WPA-PSK, TCP Stream, Buffer size 128 KB

Summary:

WLAN WPA-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WPA-PSK wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 131702

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 131702 20.99
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

3.8.5 Test Suite : WPA2-PSK

Test Case amsdkA-304: WLAN WPA2-PSK, TCP Stream, Buffer size 1024

Summary:

WLAN WPA2-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WPA2-PSK wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 1024

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 1024 6.64
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-305: WLAN WPA2-PSK, TCP Stream, Buffer size 4096

Summary:

WLAN WPA2-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WPA2-PSK wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 4096

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 4096 13.24
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-306: WLAN WPA2-PSK, TCP Stream, Buffer size 8192

Summary:

WLAN WPA2-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WPA2-PSK wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 8192

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 8192 20.2
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-910: WLAN WPA2-PSK, TCP Stream, Buffer size 16 KB

Summary:

WLAN WPA2-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WPA2-PSK wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 16384

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 16384 25.8
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-911: WLAN WPA2-PSK, TCP Stream, Buffer size 32 KB

Summary:

WLAN WPA2-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WPA2-PSK wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 32768

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 32768 25.77
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-912: WLAN WPA2-PSK, TCP Stream, Buffer size 64 KB

Summary:

WLAN WPA2-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WPA2-PSK wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 65536

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 65536 28.24
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

Test Case amsdkA-913: WLAN WPA2-PSK, TCP Stream, Buffer size 128 KB

Summary:

WLAN WPA2-PSK test, measures TCP bandwidth between Server (Running on Host PC) and Client (Android DUT).

Steps:

Manual Verification:

1) Configure a WPA2-PSK wlan in the access point and the dut

2) Verify that you have netperf installed in your host machine by typing "netperf -h"

If you get an error, you need to install netperf. On a ubuntu system, you may type "sudo apt-get install netperf"

3) Start netserver in the Host Machine (Linux preferably)

sudo netserver -p 22115 -4. Where -p specifies the listening port number and -4 sets the ip protocol version to IPV4.

4) Start netperf on the device under test (Note: There is no need to install an APK as netperf is already provided in the default filesystem)

netperf -H <host machine> -l <test time in secs> -- -s <tcp buffer size>. For example "netperf -H 158.218.103.64 -l 60 -- -s 131702

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 131702 28.29
	LOG PATH
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

3.9 Test Suite : Gadget

Test Case amsdkA-927: Android Gadget

Summary:

Measure throughput of file copy operations when the dut is operating as an Android Gadget

Steps:

- Set the dut to operate like and android gadget.

- Copy a large file from the host to the dut and the dut to the host. Measure throughput in both directions:

i.e. "time cp <path to large file> <mounted dut folder>"

Expected Results:

Throughput should at least be the same as the one obtain with an adb push/pull operation

Last Result:	**Failed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	None

4 Test Suite : Stress

4.1 Test Suite : Monkey

Monkey tool

Test Case amsdkA-307: Monkey System Stress

Summary:

Stress Test the system using the monkey tool

Steps:

Manual Verification:

1) Run the monkey tool for the given number of events, with the specified flags

2) Verify that there are no crashes

Last Result:	**Failed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Crash(es) reported for [["com.android.music", "pid 1875", "android.database.StaleDataException:"]] No response(s) reported [] LOG PATH
Requirements	None

4.2 Test Suite : wireless

Test Case amsdkA-594: bluetooth

Summary:

This stress test case, stress the system by enabling and disabling bluetooth inteface 1000 times and verifying connectivity.

Steps:

1) make sure there is configured access point for.

Expected Results:

The stress test must run 100%

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Success Wireless Enable Disable Stress Test=100.0
	LOG PATH
Requirements	None

Test Case amsdkA-595: wifi_open

Summary:

This test case stress the system by enabling , configuring and checking connectiviy and finaly disabling for 1000 times.

This is non secure connection setup.

Steps:

Make sure access point is configured.

Expected Results:

The stress should run 100% without crash and failure.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Success Wireless Enable Disable Stress Test=100.0
	LOG PATH
Requirements	None

Test Case amsdkA-596: wifi_wpa-psk

Summary:

This test case stresses the stystem by enabling, configuring , checking connectivity and finaly disabling for 1000 times.

This is WPA-PSK enabled communication. This test should run with 100% success.

Steps:

Make sure the access point is configured the run the script.

Expected Results:

100 success.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Success Wireless Enable Disable Stress Test=100.0
	LOG PATH
Requirements	GR_10: Settings will be part of Android DevKit core applications GR_77: Settings application helps to configure Ethernet, Wireless and Bluetooth Devices GR_78: Settings application helps to configure Sound, Display and various OOBE settings GR_79: Settings application helps to configure Applications

Test Case amsdkA-597: wifi_open and bluetooth

Steps:

run script

Expected Results:

must run to complete 100%

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Success Wireless Enable Disable Stress Test=100.0
	LOG PATH
Requirements	None

Test Case amsdkA-598: wifi_wpa-psk and bluetooth

Steps:

run script

Expected Results:

must run to complete 100%

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Success Wireless Enable Disable Stress Test=100.0

	LOG PATH
Requirements	None

Test Case amsdkA-599: wifi_data and Video/audio playing for long time

Summary:

Data is send over the wireless while video is playing.

Steps:

run applilcation script

Expected Results:

video quality and throughput should not be compromized.

Last Result:	**Failed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	SIGTERM
	LOG PATH
Requirements	None

4.3 Test Suite : media

Test Case amsdkA-670: Android Music Play

Summary:

This test case stress music play application.

Steps:

1) make sure Test automation frame is up and running.

2) Make sure platform is configured, adb running

3) Select the test case and run the ruby stress application

the script does install the audio clip and start the music intent and at the end check for system integrity.

Expected Results:

Appication should run with out problem for the specified time.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Graphics Stress Test=100.0
	LOG PATH
Requirements	None

Test Case amsdkA-671: Android Video play

Summary:

This test case stress the video play application.

Steps:

1) make sure Test automation frame is up and running.

2) Make sure platform is configured, adb running

3) Select the test case and run the ruby stress application

the script does install the video clip and start the videointent and at the end checkes for system integrity.

Expected Results:

Application should run for the specified time wirh out problem.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	None

4.4 Test Suite : Browser

Browser Stress test

Test Case amsdkA-602: Browser Stres test

Steps:

run script

Expected Results:

test run 100%

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Web Browser Stress Test=480.0
	LOG PATH
Requirements	None

4.5 Test Suite : Graphics

Graphics related stress test.

Test Case amsdkA-603: Graphics Stress Test

Summary:

This test case stress the system by running all graphics application for a number of iteration.

Steps:

run the ruby script

Expected Results:

test should run 100%

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	None

Test Case amsdkA-604: Graphics and Audio Stress Test

Summary:

This test case stresses the system by running all graphics applications and music.

Steps:

run script

Expected Results:

must run 100%

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Graphics Stress Test=100.0
	LOG PATH
Requirements	None

Test Case amsdkA-605: Graphics and Video Stress Test

Summary:

The test cases stresses the system running graphics and video applications.

Steps:

run rub script

Expected Results:

must run 100%

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Graphics Stress Test=100.0
	LOG PATH
Requirements	None

Test Case amsdkA-606: Graphics and Audio and video Stress Test

Summary:

This test case stress the system by running graphics, video and audio application.

Steps:

run ruby script.

Expected Results:

must run 100%

Last Result: **Passed**
Build 2012-03-20
Tester gt_amsdk_lead
Requirements None

4.6 Test Suite : LAN

Stress test area for LAN

Test Case amsdkA-756: 5-min LAN_data and Video/audio playing for long time

Summary:

Data is send over the LAN while video is playing.

Steps:

run applilcation script

Expected Results:

video quality and throughput should not be compromized.

Last Result: **Passed**
Build 2012-03-20
Tester gt_amsdk_lead
Testing notes Success Wireless Enable Disable Stress Test=100.0

LOG PATH

Requirements None

Test Case amsdkA-759: 5-min WLAN No Security Stream Test

Summary:

WLAN No Security Stream Test

Last Result: **Failed**
Build 2012-03-20
Tester gt_amsdk_lead
Testing notes Streaming is currently not working
Requirements None

Test Case amsdkA-763: 5-min Network Stream Test

Summary:

Network Stream test

Last Result:	**Failed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Iteration 1, Stream FILE@TS/big_buck_bunny_480p_surround-fix.avi did not play or did not finish on the expected time execution expired LOG PATH
Requirements	None

5 Test Suite : Functionality

Functional Test cases

5.1 Test Suite : System

Test Case amsdkA-70: System boot

Summary:

Verify that DUT boots fine w/ provided x-loader, u-boot, uImage and root filesystem

Steps:

1. Flash x-loader and u-boot to DUT using serial flashing utility
2. Set uboot environment to load provided uImage and use provided root filesystem
3. Boot the DUT

Expected Results:

DUT should boot fine and Android Home page should be shown

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_1: Core Android applications should be working after Android boot GR_29: Android DevKit should contain Sources for u-boot GR_30: Android DevKit should contain Sources for x-loader GR_36: Procedure to flash bootloader should be provided GR_37: Procedure to prepare a SD card to boot Android should be provided GR_39: Commands to compile the sources of Kernel, U-boot, X-loader and WLAN will be provided

GR_59: DevKit Script to Prepare SD Card to boot the EVM
AM33X_35: Android DevKit supports MMC Boot

Test Case amsdkA-71: System boot w/ console

Summary:

Verify that DUT boots fine w/ provided x-loader, u-boot, uImage and root filesystem and upon booting the Android console is available in the UART port

Steps:

1. Flash x-loader and u-boot to DUT using serial flashing utility
2. Set uboot environment to load provided uImage and use provided root filesystem
3. Boot the DUT
4. type "ls" in the UART console

Expected Results:

DUT should boot fine and Android console should be available in the UART port.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	AM33X_35: Android DevKit supports MMC Boot

Test Case amsdkA-86: OOB Demos

Summary:

Validate that the system provides icons to Demo Apps in the wallpaper upon booting

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	None

Test Case amsdkA-87: RootFS over NFS

Summary:

Validate that the DUT boots fine when using root filesystem over NFS

Last Result:	**Passed**

Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	None

5.2 Test Suite : Bluetooth

Test Case amsdkA-669: BT-Stream music to bluetooth stereo headset

Summary:

Stream music to bluetooth stereo headset via A2DP profile

Steps:

Refer to this wiki page for setup instructions/test info.

http://processors.wiki.ti.com/index.php/AM18x_Wireless_Connectivity_Demo#Bluetooth_A2DP_Profile

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	None

Test Case amsdkA-477: Bluetooth Object push

Summary:

Verify that you can transfer files to the device via a bluetooth connection

Steps:

- Pair the dut with the host

- Send files to/from the host to/from dut.

- Verify that you can open the received files without any problems

Expected Results:

- The received should open without problems.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_77: Settings application helps to configure Ethernet, Wireless and Bluetooth Devices

Test Case amsdkA-887: BT-Verify that HID devices are working as expected

Summary:

Verify that BT HID devices mouse and/or keyboard are recognized by the EVM and are working as expected

Steps:

Connect HID devices mouse and keyboard can be paired and work as expected

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	None

6 Test Suite : Sensors

This test area is to test Sensors.

6.1 Test Suite : Accelometer

Test Case amsdkA-609: Accelometer Functionality

Summary:

This test case is to verify that accelometer isfunctioning.

Steps:

Install the accelometer apk and move the device. Make sure the coardinates and orientation changes.

Expected Results:

When the device moves or the coordinates also change

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	AM33X_30: Android DevKit supports Accelerometer (3-axis accelerometer)

7 Test Suite : Miscellaneous

This test area list different kinds of test cases.

Test Case amsdkA-610: Music application lists songs.

Summary:

Music application lists songs based on artists, genre and displays album graphic.

Steps:

1) Go to android application browser and start music application.

2) Verify that Music application lists songs based on artists, genre and displays album graphic

Expected Results:

All songs must be listed and displayed.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_12: Music will be part of Android DevKit core applications GR_84: Music application lists songs based on artists, genre and displays album graphic

Test Case amsdkA-611: Music application lists Songs from External Storage and Recorded

Summary:

Music application lists Songs from External Storage and Recorded Sounds.

Steps:

1) Start android applcation browser and start music application.

2) Music application lists Songs from External Storage and Recorded Sounds

Expected Results:

All songs must be listed and played.

Last Result: **Passed**

Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_83: Music application lists Songs from External Storage and Recorded Sounds

Test Case amsdkA-613: Dev Tools will be part of Android DevKit core applications

Summary:

Dev Tools will be part of Android DevKit core applications.

Steps:

1) Verify that Dev Tools are be part of Android DevKit core applications.

2) exercise some of dev tools functionality.

Expected Results:

Dev Tools start and functional.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_13: Dev Tools will be part of Android DevKit core applications

Test Case amsdkA-614: ICONS for standard applications will be placed on main window

Summary:

ICONS for standard applications will be placed on main window.

Steps:

verify that ICONS for standard applicationsare placed on main window

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_14: ICONS for standard applications will be placed on main window

Test Case amsdkA-615: Security will be turned ON in Android Layer

Summary:

Security will be turned ON in Android Layer

Steps:

Verify that Security are turned ON in Android Layer

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_15: Security will be turned ON in Android Layer

Test Case amsdkA-616: Flash 10.1 will be supported

Summary:

Flash 10.1 will be supported.

Steps:

1) Verify that Flash 10.1 is supported.

2) Run flash application.

Expected Results:

falsh application runs fine.

Last Result:	**Failed**
Build	2012-03-20
Tester	gt_amsdk_lead
Testing notes	Does not plat youtube videos
Requirements	GR_19: Flash 10.1 will be supported

Test Case amsdkA-617: Android DevKit should contain Sources for 2.6.XX Linux Kernel

Summary:

Android DevKit should contain Sources for 2.6.XX Linux Kernel

Steps:

Verify that Android DevKit should contain Sources for 2.6.XX Linux Kernel.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_28: Android DevKit should contain Sources for 2.6.XX Linux Kernel

Test Case amsdkA-618: The DevKit installer should work on a ubuntu Linux host machine

Summary:

The DevKit installer should work on a ubuntu Linux host machine

Steps:

Verify that The DevKit installer should work on a ubuntu Linux host machine

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_33: The DevKit installer should work on a ubuntu Linux host machine

Test Case amsdkA-619: Links to support infrastructure on e2e and rowboat to be provided

Summary:

Links to support infrastructure on e2e and rowboat to be provided

Steps:

Verify that Links to support infrastructure on e2e and rowboat to be provided.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_49: Links to support infrastructure on e2e and rowboat to be provided

Test Case amsdkA-620: Email will be part of Android DevKit core applications

Summary:

Email will be part of Android DevKit core applications

Steps:

Verify that Email is part of Android DevKit core applications

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_5: Email will be part of Android DevKit core applications

Test Case amsdkA-624: Calendar will be part of Android DevKit core applications

Summary:

Calendar will be part of Android DevKit core applications.

Steps:

Verify that Calendar part of Android DevKit core applications

Last Result:	**Passed**

Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_11: Camera will be part of Android DevKit core applications

Test Case amsdkA-625: Android home screen contains Launcher -

Summary:

Android home screen contains Launcher - gateway to all applications

Steps:

Verify that Android home screen contains Launcher - gateway to all applications

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_61: Android home screen contains Launcher - gateway to all applications

Test Case amsdkA-626: Android home screen contains Global Search Bar

Summary:

Android home screen contains Global Search Bar

Steps:

Verify that Android home screen contains Global Search Bar.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_63: Android home screen contains Global Search Bar

Test Case amsdkA-627: Android Home Screen contains Tips widget to give important Tips

Summary:

Android Home Screen contains Tips widget to give important Tips

Steps:

Verify that Android Home Screen contains Tips widget to give important Tips.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead

Requirements None

Test Case amsdkA-628: Addtitional Widgets can be added to Home Screen by a long press on

Summary:

Addtitional Widgets can be added to Home Screen by a long press on the Blank area of Home Screen

Steps:

Verify that Addtitional Widgets can be added to Home Screen by a long press on the Blank area of Home Screen

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_65: Addtitional Widgets can be added to Home Screen by a long press on the Blank area of Home Screen

Test Case amsdkA-629: Multiple Home Screen (5 Screens)

Summary:

Multiple Home Screen (5 Screens)

Steps:

Verify that for Multiple Home Screen (5 Screens)

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_66: Multiple Home Screen (5 Screens)

Test Case amsdkA-630: Slidable Status bar

Summary:

Slidable Status bar Indicating Time, System Events on top of the Home Screen

Steps:

Verify that Slidable Status bar Indicating Time, System Events on top of the Home Screen

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead

Requirements	GR_67: Slidable Status bar Indicating Time, System Events on top of the Home Screen

Test Case amsdkA-631: Wallpaper can be changed

Summary:

Wallpaper can be changed by pressing long on the Blank area of Home Screen

Steps:

Verify that Wallpaper can be changed by pressing long on the Blank area of Home Screen

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_68: Wallpaper can be changed by pressing long on the Blank area of Home Screen

Test Case amsdkA-632: Keypad contains HOME, BACK, POWER and MENU Keys.

Summary:

Keypad contains HOME, BACK, POWER and MENU Keys.

Steps:

Verify that Keypad contains HOME, BACK, POWER and MENU Keys.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	GR_69: Keypad contains HOME, BACK, POWER and MENU Keys.

Test Case amsdkA-633: Gallery will be part of Android DevKit core applications

Summary:

Gallery will be part of Android DevKit core applications

Steps:

Verify that Gallery will be part of Android DevKit core applications

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead

Requirements GR_7: Gallery will be part of Android DevKit core applications

Test Case amsdkA-634: Launcher will be part of Android DevKit core applications

Summary:

Launcher will be part of Android DevKit core applications

Steps:

Verify that Launcher will be part of Android DevKit core applications.

Last Result: **Passed**

Build 2012-03-20

Tester gt_amsdk_lead

Requirements GR_9: Launcher will be part of Android DevKit core applications

Test Case amsdkA-635: Global Search will be part of Android DevKit core applications

Summary:

Global Search will be part of Android DevKit core applications

Steps:

Verify that Global Search will be part of Android DevKit core applications.

Last Result: **Passed**

Build 2012-03-20

Tester gt_amsdk_lead

Requirements GR_8: Global Search will be part of Android DevKit core applications

Test Case amsdkA-636: Settings application helps to configure Sound, Display and various OOBE settings

Summary:

Settings application helps to configure Sound, Display and various OOBE settings

Steps:

Verify that Settings application helps to configure Sound, Display and various OOBE settings

Last Result: **Passed**

Build 2012-03-20

Tester gt_amsdk_lead

Requirements GR_78: Settings application helps to configure Sound, Display and various OOBE settings

8 Test Suite : IO

IO related maual test cases.

Test Case amsdkA-642: Android DevKit supports Touchscreen

Summary:

Android DevKit supports Touchscreen

Steps:

Verify that Android DevKit supports Touchscreen

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	AM33X_16: Android DevKit supports Touchscreen

9 Test Suite : Processor Speed

Test Case amsdkA-647: Android DevKit supports Cortex A8 ARM up to Maximum Frequancy

Summary:

Android DevKit supports Cortex A8 ARM up to Maximum Frequancy.

Steps:

Verify that Android DevKit supports Cortex A8 ARM up to Maximum Frequancy.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	AM33X_2: Android DevKit supports Cortex A8 ARM up to Maximum Frequancy

Test Case amsdkA-648: Android DevKit supports SGX up to Maximum Frequancy

Summary:

Android DevKit supports SGX up to Maximum Frequancy

Steps:

Verify that Android DevKit supports SGX up to Maximum Frequancy.

Last Result:	**Passed**
Build	2012-03-20
Tester	gt_amsdk_lead
Requirements	AM33X_3: Android DevKit supports SGX up to Maximum Frequancy