

Texas Instruments
amsdk_android



AM335x_Gingerbread_2.3.4_beta

Test Report

Project: amsdk_android

Author: gt_amsdk_lead

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wifi_data and Video/audio playing for long time

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Graphics Stress Test

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Graphics and Video Stress Test

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LAN_data and Video/audio playing for long time

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Review DevKit components with the legal team

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System boot

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RootFS over NFS

Bluetooth

BT-Stream music to bluetooth stereo headset

Bluetooth Object push

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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

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

Links to raise defects against this release should be provided

Customers should be notified about devkit release through TI news, infolink, android porting mailing

Licensing of software components will be taken care

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

Additional 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 OOB settings

IO

Android DevKit supports Touchscreen

Android DevKit supports Mouse

Android DevKit supports Baseboard + General Purpose Daughter Card of SubArc

Processor Speed

Android DevKit supports Cortex A8 ARM up to Maximum Frequency

Android DevKit supports SGX up to Maximum Frequency

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 2011-11-26

Tester gt_amsdk_lead

Requirements GR_26: Android CTS compatibility will be greater than 99%

2 Test Suite : Compatibility

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 2011-11-26

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-10: SDK's LunarLander App

Summary:
Run LunarLander app (from Google's SDK)
Expected Results:
Application APK is properly installed and runs OK
Last Result: **Passed**
Build 2011-11-26
Tester gt_amsdk_lead
Requirements None

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 2011-11-26
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:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Testing notes	passed: 85 test(s) failed: 1 test(s) failed: 057-iteration-performance
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:	Failed
Build	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Please rotate message appears, so you can not run the apps
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	2011-11-26
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 2011-11-26

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 2011-11-26

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 2011-11-26

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	2011-11-26
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	2011-11-26
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	2011-11-26
Tester	gt_amsdk_lead

Testing notes	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 2011-11-26

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 2011-11-26

Tester gt_amsdk_lead

Testing notes 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/>)

Expected Results:

Application APK is properly installed and runs OK

Last Result: **Passed**

Build 2011-11-26

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 2011-11-26

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 2011-11-26

Tester gt_amsdk_lead

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 2011-11-26
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 2011-11-26
Tester gt_amsdk_lead
Requirements None

Test Case amsdkA-233: Replica Island

Summary:

Run Replica Island Game

Last Result: **Failed**
Build 2011-11-26
Tester gt_amsdk_lead
Testing notes INSTALL_FAILED_CONTAINER_ERROR
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 2011-11-26

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 2011-11-26

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 2011-11-26

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-28: AAC LC/LTP

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 2011-11-26
Tester gt_amsdk_lead
Testing notes Test case PASS.

LOG PATH

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

Test Case amsdkA-29: HE-AACv1 (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 2011-11-26
Tester gt_amsdk_lead
Testing notes Test case PASS.

LOG PATH

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

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 2011-11-26
Tester gt_amsdk_lead
Testing notes Test case PASS.

LOG PATH

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 2011-11-26
Tester gt_amsdk_lead
Testing notes Test case PASS.

LOG PATH

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 2011-11-26
Tester gt_amsdk_lead
Testing notes Test case PASS.

LOG PATH

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 (.rttl, .rtx), OTA (.ota), and iMelody (.imy)

Expected Results:

Audio files play fine

Last Result: **Passed**
Build 2011-11-26
Tester gt_amsdk_lead
Testing notes Test case PASS.

LOG PATH

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 2011-11-26

Tester gt_amsdk_lead

Testing notes Test case PASS.

LOG PATH

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 2011-11-26

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	2011-11-26
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	2011-11-26
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	2011-11-26
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 2011-11-26

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 2011-11-26

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 2011-11-26
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 2011-11-26
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

3 Test Suite : Performance

3.1 Test Suite : System

Test Case amsdkA-47: Browser Launch Time

Summary:

The launch time is measured as the total time to complete loading the default activity for the application, including the time it takes to start the Linux process, load the Android package into the Dalvik VM, and call onCreate.

Expected Results:

Browser should launch in less than 1300ms

Last Result: **Passed**

Build 2011-11-26

Tester gt_amsdk_lead

Requirements GR_4: Browser will be part of Android DevKit core applications
GR_62: Android Home Screen contains short cuts to Browser and Rowboperf (Demos and Benchmarking apps)
GR_76: Lancher gives Main window Desk Clock, Browser, Email Calendar, Calculator, Gallery, GlobalSearch, La
GR_80: Browser enables to browse Internet with direct or proxy connection
GR_81: Browser enables to browse webpages with various contents
JAVASCRIPT, flash

Test Case amsdkA-48: AlarmClock Launch Time

Summary:

The launch time is measured as the total time to complete loading the default activity for the application, including the time it takes to start the Linux process, load the Android package into the Dalvik VM, and call onCreate.

Expected Results:

AlarmClock should launch in less than 650ms

Last Result: **Passed**

Build 2011-11-26

Tester gt_amsdk_lead

Requirements GR_3: Desk Clock will be part of Android DevKit core applications
GR_76: Lancher gives Main window Desk Clock, Browser, Email Calendar, Calculator, Gallery, GlobalSearch, La

Test Case amsdkA-49: Simultaneous Applications

Expected Results:

When multiple applications have been launched, re-launching an alreadyrunning application after it has been launched must take less than the original launch time.

Last Result: **Passed**

Build 2011-11-26

Tester gt_amsdk_lead

Requirements None

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 2011-11-26

Tester gt_amsdk_lead

Testing notes First boot: 48 sec

Others: 24

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 2011-11-26

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 : Graphics

Test Case amsdkA-65: LCD performance

Summary:

Validate that the Android rootfs provided sets surface flinger to leverage or use SGX core on LCD output

Steps:

Run ? Graphics Performance application on LCD output

Expected Results:

Benchmark X should be higher than Y

Last Result: **Passed**

Build 2011-11-26

Tester gt_amsdk_lead

Requirements AM33X_17: Android DevKit supports LCD 7inch panel

3.3 Test Suite : 0xBench

Test Case amsdkA-89: 0xBench Math Linpack test

Summary:

0xBench Math Linpack test.

Last Result: **Passed**

Build 2011-11-26

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 2011-11-26
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 2011-11-26
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 2011-11-26
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 2011-11-26
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 2011-11-26

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 2011-11-26
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 2011-11-26
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:

0xBench 2D Draw Text test.

Last Result: **Passed**

Build 2011-11-26

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 2011-11-26

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 2011-11-26

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 2011-11-26

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 2011-11-26

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 2011-11-26

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

Test Case amsdkA-103: 0xBench Native LibMicro test

Summary:

0xBench Native LibMicro test.

Last Result: **Failed**
Build 2011-11-26
Tester gt_amsdk_lead
Testing notes undefined method `[]' for nil:NilClass

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-104: 0xBench Native UnixBench test

Summary:

0xBench Native UnixBench test.

Last Result: **Failed**
Build 2011-11-26
Tester gt_amsdk_lead
Testing notes element size differs (420 should be 421)

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

3.4 Test Suite : Netperf

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

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 2011-11-26
Tester gt_amsdk_lead
Testing notes Buffer Size Throughput 16 35.44

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-107: TCP Stream, Buffer size 64

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	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 64 35.6
	<u>LOG PATH</u>
Requirements	GR_20: Ethernet operation upto 25MB/s AM33X_5: Android DevKit supports Ethernet

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

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	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 128 35.58

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:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 512 35.61
	<u>LOG PATH</u>
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:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 1024 35.49
	<u>LOG PATH</u>
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	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 4096 68.92

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	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 8192 82.05

	<u>LOG PATH</u>
Requirements	GR_20: Ethernet operation upto 25MB/s AM33X_5: Android DevKit supports Ethernet

3.5 Test Suite : Browser

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 2011-11-26

Tester gt_amsdk_lead

Testing notes 93/100

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	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Test case PASS.
	<u>LOG PATH</u>
Requirements	GR_73: Benchmark Suite Rowbot Bench is part of Rowboperf

Test Case amsdkA-264: V8 Browser performance 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	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Test case PASS.

	<u>LOG PATH</u>
Requirements	GR_73: Benchmark Suite Rowbot Bench is part of Rowboperf

3.6 Test Suite : RowboPerf

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 2011-11-26

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 2011-11-26

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 2011-11-26

Tester gt_amsdk_lead

Testing notes Test case PASS.

LOG PATH

Requirements GR_71: ARM Benchmarks Dhrystone, Whetstone and Linpack are prt of Rowboperf

3.7 Test Suite : adb

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: **Failed**
Build 2011-11-26
Tester gt_amsdk_lead
Testing notes Performance is less than 4000.0 KB/s. Mean-TX=2224.8 Mean-RX=3294.4

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: **Failed**
Build 2011-11-26
Tester gt_amsdk_lead
Testing notes Performance is less than 4000.0 KB/s. Mean-TX=2929.9 Mean-RX=4699.1

LOG PATH

Requirements GR_22: ADB over Ethernet will be supported

3.8 Test Suite : Storage

3.8.1 Test Suite : USB

Test Case amsdkA-265: USB vfat partition write/read test with a block size of 512 bytes and a file of size 104857600 bytes

Summary:

USB 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 USB 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 good or better than the last release

Last Result: **Passed**
Build 2011-11-26
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_22: Android DevKit supports USB as Data Storage
AM33X_8: Android DevKit supports USB as OTG
AM33X_9: Android DevKit supports USB as HOST

Test Case amsdkA-266: USB vfat partition write/read test with a block size of 4096 bytes and a file of

Summary:

---- Warning ----

TestLink Warning

test case name is too long (101 chars) > 100 => has been truncated

Original name

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

---- *** ----

USB 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 USB 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 2011-11-26

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_22: Android DevKit supports USB as Data Storage
AM33X_8: Android DevKit supports USB as OTG
AM33X_9: Android DevKit supports USB as HOST

Test Case amsdkA-267: USB vfat partition write/read test with a block size of 16384 bytes and a file o

Summary:

---- Warning ----

TestLink Warning

test case name is too long (102 chars) > 100 => has been truncated

Original name

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

---- *** ----

USB 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 USB 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 2011-11-26

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_22: Android DevKit supports USB as Data Storage
AM33X_8: Android DevKit supports USB as OTG
AM33X_9: Android DevKit supports USB as HOST

Test Case amsdkA-268: USB vfat partition write/read test with a block size of 65536 bytes and a file o

Summary:

---- Warning ----

TestLink Warning

test case name is too long (102 chars) > 100 => has been truncated

Original name

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

---- *** ----

USB 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 USB 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 2011-11-26

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_22: Android DevKit supports USB as Data Storage
AM33X_8: Android DevKit supports USB as OTG
AM33X_9: Android DevKit supports USB as HOST

Test Case amsdkA-269: USB vfat partition write/read test with a block size of 524288 bytes and a file

Summary:

---- Warning ----

TestLink Warning

test case name is too long (103 chars) > 100 => has been truncated

Original name

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

---- *** ----

USB 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 USB 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 2011-11-26

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_22: Android DevKit supports USB as Data Storage
AM33X_8: Android DevKit supports USB as OTG

AM33X_9: Android DevKit supports USB as HOST

Test Case amsdkA-270: USB vfat partition write/read test with a block size of 1048576 bytes and a file

Summary:

---- Warning ----

TestLink Warning

test case name is too long (104 chars) > 100 => has been truncated

Original name

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

---- *** ----

USB 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 USB 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 2011-11-26

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_22: Android DevKit supports USB as Data Storage

AM33X_8: Android DevKit supports USB as OTG

AM33X_9: Android DevKit supports USB as HOST

3.8.2 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 2011-11-26

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 2011-11-26

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	2011-11-26
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 2011-11-26
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	2011-11-26
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 2011-11-26

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)

3.9 Test Suite : WLAN

3.9.1 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	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Wi-fi functionality is fine throughput is lower than expected
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	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Wi-fi functionality is fine throughput is lower than expected
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	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 8192 14.48

LOG PATH

Requirements	AM33X_7: Android DevKit supports WLAN b/g/n
--------------	---

3.9.2 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	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Wi-fi functionality is fine throughput is lower than expected
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	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Wi-fi functionality is fine throughput is lower than expected
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	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Wi-fi functionality is fine throughput is lower than expected
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

3.9.3 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	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Wi-fi functionality is fine throughput is lower than expected
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	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Wi-fi functionality is fine throughput is lower than expected
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	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Wi-fi functionality is fine throughput is lower than expected
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

3.9.4 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	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Wi-fi functionality is fine throughput is lower than expected
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	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Wi-fi functionality is fine throughput is lower than expected
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	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Wi-fi functionality is fine throughput is lower than expected
Requirements	AM33X_7: Android DevKit supports WLAN b/g/n

3.9.5 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	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Wi-fi functionality is fine throughput is lower than expected
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	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Wi-fi functionality is fine throughput is lower than expected
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	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Wi-fi functionality is fine throughput is lower than expected

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

4 Test Suite : Stress

4.1 Test Suite : Monkey

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 2011-11-26

Tester gt_amsdk_lead

Testing notes Crash(es) reported for [{"null", "pid 923", "java.lang.NullPointerException"}]
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 interface 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 2011-11-26

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 connectivity and finally 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 2011-11-26
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 system by enabling, configuring , checking connectivity and finally 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 2011-11-26
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 OOB 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: **Failed**

Build 2011-11-26

Tester gt_amsdk_lead

Testing notes Success Wireless Enable Disable Stress Test=70.0

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 2011-11-26

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: **Passed**

Build 2011-11-26

Tester gt_amsdk_lead

Testing notes Success Wireless Enable Disable Stress Test=100.0

LOG PATH

Requirements None

4.3 Test Suite : Browser

Test Case amsdkA-602: Browser Stres test

Steps:

run script

Expected Results:

test run 100%

Last Result: **Passed**

Build 2011-11-26

Tester gt_amsdk_lead

Testing notes Web Browser Stress Test=500.0

LOG PATH

Requirements None

4.4 Test Suite : Graphics

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	2011-11-26
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	2011-11-26

Tester gt_amsdk_lead
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 2011-11-26
Tester gt_amsdk_lead
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: **Failed**

Build 2011-11-26
Tester gt_amsdk_lead
Testing notes Graphics Stress Test=60.0

LOG PATH
Requirements None

4.5 Test Suite : LAN

Test Case amsdkA-607: 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 compromised.

Last Result: **Passed**
Build 2011-11-26
Tester gt_amsdk_lead
Testing notes Success Wireless Enable Disable Stress Test=100.0

LOG PATH
Requirements None

Test Case amsdkA-658: WLAN No Security Stream Test

Summary:

WLAN No Security Stream Test

Last Result:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Board did not hang or crash, playout was slow due to connection throughput
Requirements	st.stress.0006: Media stream stability

Test Case amsdkA-660: WLAN WEP 128 bits Stream Test

Summary:

WLAN WEP 128 bits Stream Test

Last Result:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Board did not hang or crash, playout was slow due to connection throughput
Requirements	st.stress.0006: Media stream stability

Test Case amsdkA-662: WLAN WPA2-PSK Stream Test

Summary:

WLAN WPA2-PSK Stream Test

Last Result:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Board did not hang or crash, playout was slow due to connection throughput
Requirements	st.stress.0006: Media stream stability

Test Case amsdkA-663: 2-hr Network Stream Test

Summary:

Network Stream test

Last Result: **Passed**
Build 2011-11-26
Tester gt_amsdk_lead
Testing notes Board did not hang or crash, all videos were played out
Requirements None

Test Case amsdkA-757: 5-min WLAN WEP 128 bits Stream Test

Summary:

WLAN WEP 128 bits Stream Test

Last Result: **Passed**
Build 2011-11-26
Tester gt_amsdk_lead
Testing notes Board did not hang or crash, playout was slow due to connection throughput
Requirements None

Test Case amsdkA-758: 5-min WLAN WEP 40 bits Stream Test

Summary:

WLAN WEP 40 bits Stream Test

Last Result: **Passed**
Build 2011-11-26
Tester gt_amsdk_lead
Testing notes Board did not hang or crash, playout was slow due to connection throughput
Requirements None

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

Summary:

WLAN No Security Stream Test

Last Result:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Board did not hang or crash, playout was slow due to connection throughput
Requirements	None

Test Case amsdkA-761: 5-min WLAN WPA-PSK Stream Test

Summary:

WLAN WPA-PSK Stream Test

Last Result:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Board did not hang or crash, playout was slow due to connection throughput
Requirements	None

Test Case amsdkA-762: 5-min WLAN WPA2-PSK Stream Test

Summary:

WLAN WPA2-PSK Stream Test

Last Result:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Testing notes	Board did not hang or crash, playout was slow due to connection throughput
Requirements	None

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

Summary:

Network Stream test

Last Result:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Testing notes	All streams played successfully
	<u>LOG PATH</u>
Requirements	None

4.6 Test Suite : Device IO

Test Case amsdkA-754: File copy Stress test between peripherals

Summary:

File copy Stress test between peripherals, this test verifies multiple file copies between board peripherals for a long period of time

Expected Results:

All copy operations should be successful and all the files copied should be identical

Last Result:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Testing notes	File copied successfully

LOG PATH

Requirements	None
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5 Test Suite : Documentation

Test Case amsdkA-54: DevKit Users Guide

Summary:

Verify that a DevKit Users Guide document is provided

Last Result:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Requirements	GR_34: The documentation for setting up host machine must be provided, referred to android links for librari GR_35: Procedure to configure and setup hardware platforms should be provided

Test Case amsdkA-55: Release Notes

Summary:

Verify that a Release Notes are provided

Last Result:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Requirements	None

Test Case amsdkA-56: Porting Guide

Summary:

Verify that an Android Rowboat Porting Guide document is provided

Last Result:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Requirements	GR_41: Porting Guides to adapt to similar platforms will be provided

Test Case amsdkA-57: CTS Report

Summary:

Verify that a CTS report is provided

Last Result:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Requirements	None

Test Case amsdkA-58: DevKit Test Report

Summary:

Verify that a DevKit Test Report is provided

Last Result:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Requirements	None

Test Case amsdkA-59: Android Rowboat Manifest

Summary:

Verify that an Android Rowboat Manifest document t is provided

Last Result:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Requirements	None

Test Case amsdkA-60: Datasheet

Summary:

Verify that a Datasheet document is provided

Last Result:	Passed
Build	2011-11-26

Tester gt_amsdk_lead
Requirements None

Test Case amsdkA-72: Eclipse Setup

Summary:

Verify that procedure to setup Eclipse for Android development is provided or referenced in the DevKit documentation

Last Result: **Passed**
Build 2011-11-26
Tester gt_amsdk_lead
Requirements None

Test Case amsdkA-73: ADB over Ethernet Setup

Summary:

Verify that the procedure to setup Android Debug Bridge (ADB) over Ethernet is provided or referenced in the DevKit documentation

Last Result: **Passed**
Build 2011-11-26
Tester gt_amsdk_lead
Requirements None

Test Case amsdkA-74: ADB over USB Setup

Summary:

Verify that the procedure to setup Android Debug Bridge (ADB) over USB is provided or referenced in the DevKit documentation

Last Result: **Passed**

Build	2011-11-26
Tester	gt_amsdk_lead
Requirements	GR_47: Debugging procedure to download .apk files over ADB to EVM should be provided

Test Case amsdkA-75: ADB .apk File Download

Summary:

Verify that procedure to download .apk files using ADB is documented

Last Result:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Requirements	None

Test Case amsdkA-76: Eclipse APK File Download

Summary:

Verify that procedure to download .apk files using Eclipse is documented

Last Result:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Requirements	GR_48: Debugging procedure to download and debug apk files over Eclipse should be provided

Test Case amsdkA-78: DevKit Developers Guide

Summary:

Verify that a DevKit Developers Guide document is provided

Last Result:	Passed
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Build	2011-11-26
Tester	gt_amsdk_lead
Requirements	None

Test Case amsdkA-81: Document Format

Summary:

Verify that all documents follow consistent template for same/similar information

Last Result:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Requirements	None

Test Case amsdkA-82: Packages List

Summary:

Verify that the DevKit includes a list of packages contained in each filesystem image.

Last Result:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Requirements	None

Test Case amsdkA-83: PinMux Utility Usage

Summary:

Verify that the procedure to use the PinMux utility is provided

Last Result:	Passed
Build	2011-11-26

Tester	gt_amsdk_lead
Requirements	GR_43: The procedure to use PinMux utility for SubArctic EVM device should be provided

6 Test Suite : Kitting

Test Case amsdkA-51: Review DevKit components with the legal team

Summary:

All components in the DevKit shall be reviewed by the legal team to identify any possible incompatibility.

Last Result:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Requirements	GR_55: All components in the DevKit shall be reviewed by the legal team to identify any possible incompatib

Test Case amsdkA-52: Review SW Manifest with OSRB

Summary:

Software manifests shall be reviewed and approved by the OSRB

Last Result:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Requirements	GR_57: Software manifests shall be reviewed and approved by the OSRB

Test Case amsdkA-53: DevKit Content

Summary:

Devkit content should be complete (see expected results section)

Expected Results:

- Â· Source
 - Â· 2.6.32 Kernel
 - Â· u-boot
 - Â· x-loader
- Â· SGX SDK Installer
- Â· Pre-built binaries
 - Â· AM35x_EVM
 - Â· uImage
 - Â· u-boot
 - Â· x-loader.bin.ift
 - Â· MLO
 - Â· AM37x_OMAP35x_EVM
 - Â· uImage
 - Â· u-boot
 - Â· x-loader.bin.ift
 - Â· MLO
- Â· Beagleboard
 - Â· uImage
 - Â· u-boot
 - Â· x-loader.bin.ift
 - Â· MLO
- Â· Filesystem
 - Â· rootfs.tar.gz (no integrated SGX, need to install separately)
- Â· Tools
 - Â· ARM Tool Chain (pre-built - pulled from Android)
 - Â· PinMux-utility
 - Â· AM35x
 - Â· AM37x
 - Â· OMAP35x
 - Â· Flashing utility
 - Â· OMAP35x_AM37x
 - Â· AM35x
 - Â· mk-mmc-image.script
- Â· Documentation
 - Â· DevKit user guide
 - Â· Release notes
 - Â· Android Rowboat Porting Guide
 - Â· CTS Report

Â· DevKit Test Report
Â· Android Rowboat Manifest
Â· Datasheet

Last Result: **Passed**
Build 2011-11-26
Tester gt_amsdk_lead
Requirements GR_32: Android DevKit should contain Pre-built binaries for uImage u-boot
x-loader MLO for SubArctic EVM,

Test Case amsdkA-79: Download Page

Summary:

Verify that the DevKit installer is distributed from TI's download page and that md5 checksums are provided for all the downloadable files

Last Result: **Passed**
Build 2011-11-26
Tester gt_amsdk_lead
Requirements None

Test Case amsdkA-80: arowboat.org Download Link

Summary:

Verify that a link to TI's product download page is provided on arowboat.org

Last Result: **Passed**
Build 2011-11-26
Tester gt_amsdk_lead
Requirements None

7 Test Suite : Tools

Test Case amsdkA-61: Pinmux Utility

Summary:

Verify that a PinMux Utility is provided and it works

Steps:

Use the pinmux utility to generate a header file and use the generated-header file to build Uboot.

Expected Results:

Uboot should build and the enabled IPs should work after booting the DUT

Last Result:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Requirements	None

Test Case amsdkA-63: Bootable-MMC/SD-Card-Generation script

Summary:

Verify that a script to generate a bootable MMC/SD card is provided and works fine.

Steps:

Generate a bootable MMC/SD card using the script and boot the DUT from MMC/SD

Last Result:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Requirements	GR_36: Procedure to flash bootloader should be provided AM33X_35: Android DevKit supports MMC Boot

Test Case amsdkA-291: Fastboot utility

Summary:

Validate fastboot

Steps:

Following the steps in the user guide, validate fastboot functionality

Last Result: **Failed**

Build 2011-11-26

Tester gt_amsdk_lead

Testing notes Not supported yet

Requirements GR_31: Android DevKit should contain SGX SDK Installer
GR_72: 3D Demos which utilize SGX Core - Chameleon Man, Coverflow and Vase are part of RowboPerf
AM33X_37: Android DevKit supports FAST BOOT

8 Test Suite : Functionality

8.1 Test Suite : SGX SDK

Test Case amsdkA-69: SGX Demos

Summary:

Validate that Graphics Demo Application(s) is provided and runs fine.

Steps:

Run provided SGX demos

Expected Results:

Graphics display w/out artifacts and an appropriate rate

Last Result: **Passed**
Build 2011-11-26
Tester gt_amsdk_lead
Requirements None

8.2 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 2011-11-26
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	2011-11-26
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	2011-11-26
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: **Failed**

Build 2011-11-26

Tester gt_amsdk_lead

Testing notes IMG demos and wifi/bt do not work when booting with nfs file system

Requirements None

8.3 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 2011-11-26

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 2011-11-26

Tester gt_amsdk_lead

Requirements GR_77: Settings application helps to configure Ethernet, Wireless and Bluetooth Devices

9 Test Suite : Miscellaneous

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 2011-11-26

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 application 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	2011-11-26
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 2011-11-26

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 applications are placed on main window

Last Result: **Passed**

Build 2011-11-26

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 2011-11-26

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:

flash application runs fine.

Last Result: **Passed**
Build 2011-11-26
Tester gt_amsdk_lead
Requirements GR_19: Flash 10.1 will be supported

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 2011-11-26
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 2011-11-26

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 2011-11-26

Tester gt_amsdk_lead

Requirements GR_5: Email will be part of Android DevKit core applications

Test Case amsdkA-621: Links to raise defects against this release should be provided

Summary:

Links to raise defects against this release should be provided

Steps:

Verfiy that Links to raise defects against this release should be provided.

Last Result: **Passed**

Build	2011-11-26
Tester	gt_amsdk_lead
Requirements	GR_50: Links to raise defects against this release should be provided

Test Case amsdkA-622: Customers should be notified about devkit release through TI news, infolink, android porting mailing

Summary:

Customers should be notified about devkit release through TI news, infolink, android porting mailing

Steps:

Customers should be notified about devkit release through TI news, infolink, android porting mailing

Last Result:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Requirements	GR_51: Customers should be notified about devkit release through TI news, infolink, android porting mailing

Test Case amsdkA-623: Licensing of software components will be taken care

Summary:

Licensing of software components will be taken care

Steps:

Licensing of software components will be taken care

Last Result:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Requirements	GR_56: Licensing of software components will be taken care

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 2011-11-26

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 2011-11-26

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	2011-11-26
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	2011-11-26
Tester	gt_amsdk_lead
Requirements	None

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

Summary:

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

Steps:

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

Last Result:	Passed
Build	2011-11-26
Tester	gt_amsdk_lead
Requirements	GR_65: Additional 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 2011-11-26

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 2011-11-26

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 2011-11-26

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: **Failed**

Build 2011-11-26

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 2011-11-26

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 2011-11-26

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 2011-11-26

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 OOB settings

Summary:

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

Steps:

Verify that Settings application helps to configure Sound, Display and various OOB settings

Last Result: **Passed**

Build 2011-11-26

Tester gt_amsdk_lead

Requirements GR_78: Settings application helps to configure Sound, Display and various OOB settings

10 Test Suite : IO

Test Case amsdkA-642: Android DevKit supports Touchscreen

Summary:

Android DevKit supports Touchscreen

Steps:

Verify that Android DevKit supports Touchscreen

Last Result: **Passed**

Build 2011-11-26

Tester gt_amsdk_lead

Requirements AM33X_16: Android DevKit supports Touchscreen

Test Case amsdkA-643: Android DevKit supports Mouse

Summary:

Android DevKit supports Mouse

Steps:

Verify that Android DevKit supports Mouse.

Last Result: **Passed**

Build 2011-11-26

Tester gt_amsdk_lead

Requirements AM33X_13: Android DevKit supports Mouse

Test Case amsdkA-646: Android DevKit supports Baseboard + General Purpose Daughter Card of SubArc

Summary:

Android DevKit supports Baseboard + General Purpose Daughter Card of SubArc

Steps:

Verify that Android DevKit supports Baseboard + General Purpose Daughter Card of SubAr.

Last Result: **Passed**

Build 2011-11-26

Tester gt_amsdk_lead

Requirements AM33X_1: Android DevKit supports Baseboard + General Purpose Daughter Card of SubArctic EVM

11 Test Suite : Processor Speed

Test Case amsdkA-647: Android DevKit supports Cortex A8 ARM up to Maximum Frequency

Summary:

Android DevKit supports Cortex A8 ARM up to Maximum Frequency.

Steps:

Verify that Android DevKit supports Cortex A8 ARM up to Maximum Frequency.

Last Result: **Passed**

Build 2011-11-26

Tester gt_amsdk_lead

Requirements AM33X_2: Android DevKit supports Cortex A8 ARM up to Maximum Frequency

Test Case amsdkA-648: Android DevKit supports SGX up to Maximum Frequency

Summary:

Android DevKit supports SGX up to Maximum Frequency

Steps:

Verify that Android DevKit supports SGX up to Maximum Frequency.

Last Result: **Passed**

Build 2011-11-26

Tester gt_amsdk_lead

Requirements AM33X_3: Android DevKit supports SGX up to Maximum Frequency

Test Plan Metrics

Test Project : amsdk_android

Test Plan : AM335x_Gingerbread_2.3.4_beta

Overall Build Status

Build	Build Description	TC Total	Not Run	[%]	Passed	[%]	Failed	[%]	Blocked	[%]	Not Available	[%]	Completed	[%]
2011-11-25	2011-11-25													
2011-11-25	AM335x evm GB	188	0	0.00	173	92.02	15	7.98	0	0.00	0	0.00	100.00	

Results by top level Test Suites

Test Suite	Total	Passed	Failed	Blocked	Not Run	Not Available	Completed [%]
Compliance	1	1	0	0	0	0	100.0
Compatibility	38	33	5	0	0	0	100.0
Performance	64	60	4	0	0	0	100.0
Stress	24	21	3	0	0	0	100.0
Documentation	16	16	0	0	0	0	100.0
Kitting	5	5	0	0	0	0	100.0
Tools	3	2	1	0	0	0	100.0
Functionality	7	6	1	0	0	0	100.0
Miscellaneous	25	24	1	0	0	0	100.0
IO	3	3	0	0	0	0	100.0
Processor Speed	2	2	0	0	0	0	100.0

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