

Texas Instruments  
amsdk\_android

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AM387x\_Gingerbread\_2.3\_Devkit\_2.0

Test Report

Project: amsdk\_android

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## 1 Test Suite : Compliance

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

Summary:

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

Last Result:	<b>Passed</b>
Build	2011-04-14
Tester	gt_amsdk_lead

## 2 Test Suite : Compatibility

### 2.1 Test Suite : Development Tools

#### 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)

Last Result: **Passed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead

**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.

Last Result: **Failed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead  
Testing notes SDOCM00080637

## 2.2 Test Suite : Multimedia

### 2.2.1 Test Suite : Audio

#### 2.2.1.1 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 Format is 3GPP (.3gp) and MPEG-4 (.mp4, .m4a). No support for raw AAC (.aac)

Last Result: **Passed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead

**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)

Last Result: **Passed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead

#### **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)

Last Result: **Passed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead

#### **Test Case amsdkA-31: AMR-NB**

Summary:

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

Last Result: **Passed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead

#### **Test Case amsdkA-32: AMR WB**

Summary:

9 rates from 6.60 kbit/s to 23.85 kbit/s sampled @ 16kHz using 3GPP (.3gp) file format

Last Result: **Passed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead

#### **Test Case amsdkA-33: MP3**

Summary:

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

Last Result: **Passed**  
Build 2011-04-14

Tester gt\_amsdk\_lead

#### **Test Case amsdkA-34: MIDI**

Summary:

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

Last Result: **Passed**

Build 2011-04-14

Tester gt\_amsdk\_lead

#### **Test Case amsdkA-35: Ogg Vorbis**

Summary:

Ogg Vorbis files in a Ogg (.ogg) container

Last Result: **Passed**

Build 2011-04-14

Tester gt\_amsdk\_lead

#### **Test Case amsdkA-36: PCM**

Summary:

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

Last Result: **Passed**

Build 2011-04-14

Tester gt\_amsdk\_lead

## **2.2.2 Test Suite : Image**

### **2.2.2.1 Test Suite : Decode**

#### **Test Case amsdkA-39: JPEG**

Summary:

Display JPEG files using the Gallery app.

Last Result: **Passed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead

#### **Test Case amsdkA-40: PNG**

Summary:

Display PNG image with Galllery app.

Last Result: **Passed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead

#### **Test Case amsdkA-41: GIF**

Summary:

Display GIF image with Gallery app.

Last Result: **Passed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead

#### **Test Case amsdkA-42: BMP**

Summary:

Display BMP Image with Gallery app.

Last Result: **Passed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead

## **2.2.3 Test Suite : Video**

### **2.2.3.1 Test Suite : Decode**

#### **Test Case amsdkA-44: H.263**

Summary:

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

Last Result: **Passed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead

#### **Test Case amsdkA-45: H.264**

Summary:  
H.264 files in 3GPP (.3gp) and MPEG-4 (.mp4) container  
Last Result: **Passed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead

#### **Test Case amsdkA-46: MPEG4 SP**

Summary:  
MPEG4 Simple Profile files in 3GPP (.3gp) container  
Last Result: **Passed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead

## **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.  
Last Result: **Passed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead

#### **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.

Last Result: **Passed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead

#### **Test Case amsdkA-49: Simultaneous Applications**

Last Result: **Passed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead

#### **Test Case amsdkA-117: Boot time**

Summary:

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

Last Result: **Passed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead  
Testing notes The first time after flushing took 1 minit.

the second reboot, it took 42 seconds.

## **3.2 Test Suite : 0xBench**

#### **Test Case amsdkA-89: 0xBench Math Linpack test**

Summary:

0xBench Math Linpack test.

Last Result: **Passed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead  
Testing notes MathLinpack performance data collected successfully

LOG PATH

### Test Case amsdkA-90: 0xBench Math Scimark2 test

Summary:

0xBench Math Scimark2 test.

Last Result: **Passed**

Build 2011-04-14

Tester gt\_amsdk\_lead

Testing notes MathScimark2 performance data collected successfully

LOG PATH

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

Summary:

0xBench 2D Draw Canvas test.

Last Result: **Passed**

Build 2011-04-14

Tester gt\_amsdk\_lead

Testing notes 2DDrawCanvas performance data collected successfully

LOG PATH

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

Summary:

0xBench 2D Draw Circle test.

Last Result: **Failed**

Build 2011-04-14

Tester gt\_amsdk\_lead

Testing notes SDOCM00080554

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

Summary:

0xBench 2D Draw Circle2 test.

Last Result: **Passed**

Build 2011-04-20

Tester gt\_amsdk\_lead

Testing notes      2DDrawCircle2 performance data collected successfully

LOG PATH

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

Summary:

0xBench 2D Draw Rect test.

Last Result:      **Passed**

Build              2011-04-20

Tester             gt\_amsdk\_lead

Testing notes      2DDrawRect performance data collected successfully

LOG PATH

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

Summary:

0xBench 2D Draw Arc test.

Last Result:      **Passed**

Build              2011-04-20

Tester             gt\_amsdk\_lead

Testing notes      2DDrawArc performance data collected successfully

LOG PATH

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

Summary:

0xBench 2D Draw Image test.

Last Result:      **Passed**

Build              2011-04-20

Tester             gt\_amsdk\_lead

Testing notes      2DDrawImage performance data collected successfully

LOG PATH

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

Summary:

0xBench 2D Draw Text test.

Last Result: **Passed**

Build 2011-04-14

Tester gt\_amsdk\_lead

Testing notes 2DDrawText performance data collected successfully

LOG PATH

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

Summary:

0xBench 3D OpenGL Cube test.

Last Result: **Passed**

Build 2011-04-20

Tester gt\_amsdk\_lead

Testing notes 3DOpenGLCube performance data collected successfully

LOG PATH

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

Summary:

0xBench 3D OpenGL Blending test.

Last Result: **Passed**

Build 2011-04-14

Tester gt\_amsdk\_lead

Testing notes 3DOpenGLBlending performance data collected successfully

LOG PATH

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

Summary:

0xBench 3D OpenGL Fog test.

Last Result: **Passed**

Build 2011-04-14

Tester gt\_amsdk\_lead

Testing notes 3DOpenGLFog performance data collected successfully



LOG PATH

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

Summary:

0xBench 3D OpenGL Flying Teapot test.

Last Result: **Passed**

Build 2011-04-14

Tester gt\_amsdk\_lead

Testing notes 3DOpenGLTeapot performance data collected successfully

LOG PATH

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

Summary:

0xBench VM Garbage Collection test.

Last Result: **Passed**

Build 2011-04-14

Tester gt\_amsdk\_lead

Testing notes VMGC performance data collected successfully

LOG PATH

**Test Case amsdkA-103: 0xBench Native LibMicro test**

Summary:

0xBench Native LibMicro test.

Last Result: **Passed**

Build 2011-04-14

Tester gt\_amsdk\_lead

Testing notes NativeLibMicro performance data collected successfully

LOG PATH

**Test Case amsdkA-104: 0xBench Native UnixBench test**

Summary:

0xBench Native UnixBench test.

Last Result: **Failed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead  
Testing notes undefined method `[]' for nil:NilClass

LOG PATH

## 3.3 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).

Last Result: **Passed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead  
Testing notes Buffer Size Throughput 16 106.04

LOG PATH

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

Summary:

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

Last Result: **Passed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead  
Testing notes Buffer Size Throughput 32 106.56

LOG PATH

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

Summary:

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

Last Result: **Passed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead  
Testing notes Buffer Size Throughput 64 106.39

LOG PATH

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

Summary:

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

Last Result: **Passed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead  
Testing notes Buffer Size Throughput 128 106.07

LOG PATH

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

Summary:

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

Last Result: **Passed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead  
Testing notes Buffer Size Throughput 256 102.73

LOG PATH

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

Summary:

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

Last Result: **Passed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead  
Testing notes Buffer Size Throughput 512 105.45

LOG PATH

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

Summary:

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

Last Result:	<b>Passed</b>
Build	2011-04-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 1024 102.62

LOG PATH

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

Summary:

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

Last Result:	<b>Passed</b>
Build	2011-04-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 4096 233.56

LOG PATH

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

Summary:

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

Last Result:	<b>Passed</b>
Build	2011-04-20
Tester	gt_amsdk_lead
Testing notes	Buffer Size Throughput 8192 309.1

LOG PATH

## 3.4 Test Suite : Browser

### Test Case amsdkA-262: Acid3 tests

Summary:

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

Last Result:	<b>Passed</b>
Build	2011-04-20
Tester	gt_amsdk_lead
Testing notes	93/100

### Test Case amsdkA-115: Sunspider test

Summary:

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

Last Result:	<b>Passed</b>
Build	2011-04-20
Tester	gt_amsdk_lead
Testing notes	10150.8 ms +/- 0.7%

### Test Case amsdkA-264: V8 Browser peformance test

Summary:

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

Last Result:	<b>Passed</b>
Build	2011-04-20
Tester	gt_amsdk_lead
Testing notes	134

## 3.5 Test Suite : RowboPerf

### Test Case amsdkA-118: Dhrystone

Summary:

Measure Dhrystone bechmark

Last Result:	<b>Passed</b>
Build	2011-04-14
Tester	gt_amsdk_lead
Testing notes	1000000 seconds

### Test Case amsdkA-119: Whetstone

Summary:

Measure Whetstone metric

Last Result:	<b>Passed</b>
Build	2011-04-14
Tester	gt_amsdk_lead
Testing notes	166.7 MIPS

### Test Case amsdkA-120: Linpack

Summary:

Measure Linpack metrics

Last Result:	<b>Passed</b>
Build	2011-04-14
Tester	gt_amsdk_lead
Testing notes	14610 kflops: 10 reps

## 3.6 Test Suite : adb

### Test Case amsdkA-122: adb ethernet Performance

Summary:

Measure Android Debug bridge performance using ethernet connection

Last Result: **Failed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead  
Testing notes Performance is less than 4000.0 KB/s. Mean-TX=3905.4 Mean-RX=5016.4

LOG PATH

## 3.7 Test Suite : Storage

### 3.7.1 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

Last Result: **Passed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead  
Testing notes StorageIO performance data collected successfully

LOG PATH

**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

Last Result: **Passed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead

Testing notes      StorageIO performance data collected successfully

LOG PATH

**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

Last Result:      **Passed**

Build              2011-04-20

Tester             gt\_amsdk\_lead

Testing notes      StorageIO performance data collected successfully

LOG PATH

**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

Last Result:      **Passed**

Build              2011-04-20

Tester             gt\_amsdk\_lead

Testing notes      StorageIO performance data collected successfully

LOG PATH



**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

Last Result: **Passed**

Build 2011-04-20

Tester gt\_amsdk\_lead

Testing notes StorageIO performance data collected successfully

LOG PATH

**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

Last Result: **Passed**

Build 2011-04-20

Tester gt\_amsdk\_lead

Testing notes StorageIO performance data collected successfully

LOG PATH

## 3.7.2 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

Last Result: **Passed**

Build 2011-04-20

Tester gt\_amsdk\_lead

Testing notes StorageIO performance data collected successfully

LOG PATH

**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

Last Result: **Passed**

Build 2011-04-20

Tester gt\_amsdk\_lead

Testing notes StorageIO performance data collected successfully

LOG PATH

**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

Last Result: **Passed**

Build 2011-04-20

Tester gt\_amsdk\_lead

Testing notes StorageIO performance data collected successfully

LOG PATH

**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

Last Result: **Passed**

Build 2011-04-20

Tester gt\_amsdk\_lead

Testing notes StorageIO performance data collected successfully

LOG PATH

**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

Last Result: **Passed**

Build 2011-04-20

Tester gt\_amsdk\_lead

Testing notes StorageIO performance data collected successfully

LOG PATH

**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

Last Result: **Passed**

Build 2011-04-20

Tester gt\_amsdk\_lead

Testing notes StorageIO performance data collected successfully

LOG PATH

### 3.7.3 Test Suite : SATA

**Test Case amsdkA-406: SATA vfat partition write/read test with a block size of 512 bytes and a file of**

Summary:

---- Warning ----

TestLink Warning

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

Original name

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

---- \*\*\* ----

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

Last Result: **Failed**

Build 2011-04-20

Tester gt\_amsdk\_lead

Testing notes undefined method `[]' for nil:NilClass

LOG PATH

**Test Case amsdkA-407: SATA vfat partition write/read test with a block size of 4096 bytes and a file o**

Summary:

---- Warning ----

TestLink Warning

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

Original name

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

---- \*\*\* ----

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

Last Result: **Failed**

Build 2011-04-20

Tester gt\_amsdk\_lead

Testing notes undefined method `[]' for nil:NilClass

LOG PATH

**Test Case amsdkA-408: SATA vfat partition write/read test with a block size of 16384 bytes and a file**

Summary:

---- Warning ----

TestLink Warning

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

Original name

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

---- \*\*\* ----

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

Last Result: **Failed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead  
Testing notes undefined method `[]' for nil:NilClass

LOG PATH

**Test Case amsdkA-409: SATA vfat partition write/read test with a block size of 65536 bytes and a file**

Summary:

---- Warning ----

TestLink Warning

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

Original name

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

---- \*\*\* ----

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

Last Result: **Failed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead  
Testing notes undefined method `[]' for nil:NilClass

LOG PATH

**Test Case amsdkA-410: SATA 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 (104 chars) > 100 => has been truncated

Original name

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

---- \*\*\* ----

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

Last Result: **Failed**

Build 2011-04-20  
Tester gt\_amsdk\_lead  
Testing notes undefined method `[]' for nil:NilClass

LOG PATH

**Test Case amsdkA-411: SATA 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 (105 chars) > 100 => has been truncated

Original name

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

---- \*\*\* ----

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

Last Result: **Failed**

Build 2011-04-20

Tester gt\_amsdk\_lead

Testing notes undefined method `[]' for nil:NilClass

LOG PATH

## 3.8 Test Suite : Database

### 3.8.1 Test Suite : TestIndex

**Test Case amsdkA-124: TestIndex Benchmarks**

Summary:

Run Testindex benchmark application to measure database performance.

Last Result: **Passed**

Build 2011-04-20

Tester gt\_amsdk\_lead

Testing notes inserting 1000 records: 5030 ms

performing 2000 index search: 3344 ms

testreport AM387x\_Gingerbread\_2.3\_Devkit\_2.0

iterating through 2000 records 2450ms

deleting 10000 record 10917 ms

length 2056192

Sqlight

inserting 1000 records: 465448 ms

performing 2000 index search: 19328 ms

iterating through 2000 records 1610ms

length before delete 891904

length 8192

## 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

Last Result: **Failed**

Build 2011-04-14

Tester gt\_amsdk\_lead

Testing notes Problem occurred while trying to run monkey test

LOG PATH

#### Test Case amsdkA-235: Long-Term Graphics test



Summary:

Run Graphics demos for 48 hrs

Last Result: **Failed**

Build 2011-04-20

Tester gt\_amsdk\_lead

Testing notes SDOCM00080556

## 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 2011-04-14

Tester gt\_amsdk\_lead

### Test Case amsdkA-55: Release Notes

Summary:

Verify that a Release Notes are provided

Last Result: **Passed**

Build 2011-04-20

Tester gt\_amsdk\_lead

### Test Case amsdkA-56: Porting Guide

Summary:

Verify that an Android Rowboat Porting Guide document is provided

Last Result: **Passed**

Build 2011-04-14

Tester gt\_amsdk\_lead

### Test Case amsdkA-57: CTS Report

Summary:

Verify that a CTS report is provided

Last Result: **Passed**

Build 2011-04-14

Tester gt\_amsdk\_lead

**Test Case amsdkA-58: DevKit Test Report**

Summary:

Verify that a DevKit Test Report is provided

Last Result: **Passed**

Build 2011-04-14

Tester gt\_amsdk\_lead

**Test Case amsdkA-59: Android Rowboat Manifest**

Summary:

Verify that an Android Rowboat Manifest document t is provided

Last Result: **Passed**

Build 2011-04-14

Tester gt\_amsdk\_lead

**Test Case amsdkA-60: Datasheet**

Summary:

Verify that a Datasheet document is provided

Last Result: **Failed**

Build 2011-04-14

Tester gt\_amsdk\_lead

**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 2011-04-14

Tester gt\_amsdk\_lead

#### **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 2011-04-14  
Tester gt\_amsdk\_lead

#### **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: **Failed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead

#### **Test Case amsdkA-75: ADB .apk File Download**

Summary:

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

Last Result: **Passed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead

#### **Test Case amsdkA-76: Eclipse APK File Download**

Summary:

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

Last Result: **Passed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead

### **Test Case amsdkA-78: DevKit Developers Guide**

Summary:

Verify that a DevKit Developers Guide document is provided

Last Result: **Passed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead

### **Test Case amsdkA-81: Document Format**

Summary:

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

Last Result: **Passed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead

### **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 2011-04-14  
Tester gt\_amsdk\_lead

## **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 2011-04-14  
Tester gt\_amsdk\_lead

### **Test Case amsdkA-52: Review SW Manifest with OSRB**

Summary:

Software manifests shall be reviewed and approved by the OSRB

Last Result: **Passed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead

### **Test Case amsdkA-53: DevKit Content**

Summary:

Devkit content should be complete (see expected results section)

Last Result: **Passed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead

### **Test Case amsdkA-77: Android Devkit apk file**

Summary:

Verify that Android Package (.apk) file is provided for the DevKit

Last Result: **Passed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead

### **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 2011-04-14  
Tester gt\_amsdk\_lead

### **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 2011-04-20  
Tester gt\_amsdk\_lead

## 7 Test Suite : Tools

### **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.

Last Result: **Passed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead

## 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.

Last Result: **Passed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead

### 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

Last Result: **Passed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead

**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

Last Result: **Passed**  
Build 2011-04-14  
Tester gt\_amsdk\_lead

**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 2011-04-14  
Tester gt\_amsdk\_lead

**Test Case amsdkA-87: RootFS over NFS**

Summary:

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

Last Result: **Passed**  
Build 2011-04-20  
Tester gt\_amsdk\_lead

## 8.3 Test Suite : Video

**Test Case amsdkA-283: VRFB**

Summary:

Test VRFB functionality.

Last Result: **Passed**

Build 2011-04-14

Tester gt\_amsdk\_lead

## 8.4 Test Suite : Graphics

**Test Case amsdkA-412: Maximum Display Resolution**

Last Result: **Passed**

Build 2011-04-14

Tester gt\_amsdk\_lead