



Brew MP Test Validation Report
Pantech CDM8999

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Section 1 Summary

The following report is intended to communicate how well Brew MP software, SDK & Tools, and platform perform on the Pantech CDM8999 when run against the PVS tests. The data contained herein is not intended to demonstrate any capability of the hardware itself.

Throughout the document there are many abbreviated and technical terms. If any of these terms are unfamiliar, please refer to the Brew MP Glossary on the [Brew MP website](#).

Section 2 Critical Issues

Affected Component	Issue	Impact	Proposed Solution
Background Audio Instantiation	Background applications cannot initiate an audio playback.	Applications that require the ability to initiate an audio playback while in the background will be unable to do so and if an application is playing audio and a call comes in, the call might not having functional audio.	Undetermined

Section 3 Brew MP Validation Results

3.1 Brew MP CDM8999 Results Summary

3.1.1 Validation Environment Summary

Environment Attribute	Attribute Data
PVS Version	1.0.2.379 PRO
Test Studio Version	5.0.6.115
Brew MP Version	1.0.2.379
Device Build Version	D8999VWA722F.221

3.1.2 Brew MP Validation Test Summary

Results Categories	Results Summary Data
Module Count	159
Modules Executed	151
Total Passed	8587
Total Failed	247
Total Unsupported	1513
Total Unexecuted	466
Date of Execution	Thu Aug 05 10:36:40 2010

3.1.3 Validation Issues Severity Summary

Issue Severity	Critical	High	Medium	Low	Total
Totals	1	13	15	4	33

3.2 Brew MP Validation Issues Breakdown by Family

3.2.1 Connectivity Issue Severity Summary

Issue Severity	Critical	High	Medium	Low	Total
Totals	0	4	3	0	7

3.2.2 Connectivity Validation Issues

Feature	Test	Issue	Impact	Severity
WLAN	<ul style="list-style-type: none"> Connect.* ScanAbort.* ScanMultipleListener.* CI FAILED 	Could not connect to authenticated WLAN networks.	Can not use WLAN.	High
BlueTooth Device Bonding	<ul style="list-style-type: none"> BIP related tests Connection1-GetStatus.1 ConnFactory-GetConnectedDevices.1 DevDB1-GetDevName.1 DuN-Disable.1 DuN-Enable.1 EIR-RemoteEir.1 FTP related tests OBEX related tests OPP related tests PBAP related tests Radio-EnableRadio.1 SDClient related tests Security related tests SPP related tests 	Invalid BD address parameter and/or the remote device is not bondable – this is likely tester error and should be revisited	SPP test cases will fail	High
BIP	<ul style="list-style-type: none"> BIP-GetAttachment.1 BIP-GetCapabilities.1 BIP-GetImage.1 BIP-GetImageList.1 BIP-GetImageProperties.1 BIP-GetThumbnail 	Can not get image attachments or server capabilities from server device.	BIP test cases will fail.	Medium
FTP	<ul style="list-style-type: none"> FTP-ChDir.1 FTP-Get.1 FTP-Put.1 FTP-Config.1 FTP-Get.1 FTP-GetDir.1 FTP-LsDir FTP-MkDir FTP-Put FTP-PutDir FTP-Rmdir 	FTP Object is NULL because the FTP client is not configured or the DPK entry is incorrect	FTP test results are inconclusive	High
SD	<ul style="list-style-type: none"> SDClient-RetrieveServiceAttributeResp.1 SDClient-RetrieveServiceSearchAttributeResp.1 SDClient-RetrieveServiceSearchResp.1 SDClient-ServiceAttributeReq.1 SDClient-ServiceSearchAttributeReq.1 SDClient-ServiceSearchReq.1 	Device Pack claims support for SD, however, attempts to utilize the event callback fail	Cannot terminate a name search query	High
SPP	<ul style="list-style-type: none"> SPP-ConfigureStream.1 SPP-ConnectToServer.1 SPP-DisconnetFromServer.1 SPP-IntiateSecSPPCon.1 SPP-IOStreamControl.1 SPP-ReadData.1 SPP-ReadDataSec.1 SPP-SendData.1 SPP-SendDataSec.1 	Could not connect to SPP server, The device pack indicates support for this feature but attempts to create the object fail	No SP stream is available	Medium

3.2.3 Databases Issue Severity Summary

Issue Severity	Critical	High	Medium	Low	Total
Totals	0	1	0	0	1

3.2.4 Databases Validation Issues

Feature	Test	Issue	Impact	Severity
PIM Messages	<ul style="list-style-type: none"> Addition.3 AdditionFromUI.2 AdditionFromUI.3 Deletion.3 DeletionFromUI.2 DeletionFromUI.3 Update.3 UpdateFromUI.2 UpdateFromUI.3 	Unable to update, add or delete stored messages in device database.	pim IMessageStore API may not be integrated correctly with Native Store/UI.	High

3.2.5 Deprecated Issue Severity Summary

Issue Severity	Critical	High	Medium	Low	Total
Totals	0	3	0	0	3

3.2.6 Deprecated Validation Issues

Feature	Test	Issue	Impact	Severity
AddressBook	<ul style="list-style-type: none"> CreateRecord.0 GetFieldName.1 EnumRecords.1 GetNumRecs.1 InvalidPhoneFieldID.1 MaxFieldLen.1 MaxRecords.0 RemoveAllRecords.0 	<p>The return value for IADDRBOOK_GetFieldName() when an unsupported field is passed to it will be invalid if AEE_ADDRFIELD_USER + 1 is defined.</p> <p>The return code was changed from 1000 to 0x8001, so devices expecting 1000 will encounter an invalid value.</p>	Applications using the address book may receive incorrect field name information.	High
AddressBook	<ul style="list-style-type: none"> GetRecByld.0 	The ZipCode field returned one character less than expected	Applications will not be able to rely on native data validation during record creation and editing events	High
USBDriver	<ul style="list-style-type: none"> CableConnect.0 CableConnect.1 CableConnect.2 CableConnect.3 ConnectWithNoCable.2 	Test script exits unexpectedly causing tests to become incomplete.	USBDriver interface may work as expected.	High

3.2.7 Brew MP Hardware Access Issue Severity Summary

Issue Severity	Critical	High	Medium	Low	Total
Totals	0	1	3	0	4

3.2.8 Brew MP Hardware Access Validation Issues

Feature	Test	Issue	Impact	Severity
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Positioning (GPS)	<ul style="list-style-type: none"> MultiplePosDetSessions.2 MultiplePosDetSessions.3 SetConfig.4 SetConfig.13 CheckGPSEngineLock.2 	DPK is missing the entries for IDS_DD_POS_GPS and IDS_DD_DATA_PRCK_POS_GPSFIX	Missing DPK entries is causing the tests to fail.	Medium
Pointer Events	<ul style="list-style-type: none"> AppFrame.1 DownUP.1 Events.1 HorizontalScroll.1 PointerDoubleClick.1 PointerParm.1 PointerParmInfo.1 	Pointer events doesn't work on touch screen.	Pointing devices will be unsupported.	Medium
USBDevice	<ul style="list-style-type: none"> BulkIN_PerfEFSFile.5 BulkIN_PerfNoFile.4 BulkOUT_PerfEFSFile.4 BulkOUT_PerfNoFile.3 	DPK is missing entries for IDS_DD_USB_MIN_EFS_PERFORMANCE and IDS_DD_USB_MIN_RAW_PERFORMANCE	Missing DPK entries is causing the tests to fail.	Medium
	<ul style="list-style-type: none"> BulkIN_PerfMMC.2 	Failed to open existing file on device for reading.	Files may not be created.	High

3.2.9 Media Issue Severity Summary

Issue Severity	Critical	High	Medium	Low	Total
Totals	0	1	3	1	5

3.2.10 Media Validation Issues

Feature	Test	Issue	Impact	Severity
Metadata Parser (Content Metadata)	<ul style="list-style-type: none"> AsfFiles.1 Mp3Files.1 Mp4Files.1 OmaDrmMp3Files.1 	Metadata parser couldn't properly parse and returns metadata.	Applications or services utilizing the metadata will not function properly.	Medium
Simultaneous Media Playback for MP3	<ul style="list-style-type: none"> PlayChShare 	Cannot play MP3 media files simultaneously.	Applications will not be able to play simultaneous mp3 media	Low
Streaming Media Playback for WMA	<ul style="list-style-type: none"> Play Record Seek 	Device does not support streaming media for WMA multimedia format.	Test results for playback of this format are inconclusive	High
MTP	<ul style="list-style-type: none"> SyncAddDirs.0 SyncAddFiles.0 SyncByFiles.0 SyncDeleteDirs.0 SyncDeleteFiles.0 SyncSpecialFiles.0 	Synchronization of files and directories failing.	Undetermined	Medium
Ringers	<ul style="list-style-type: none"> PlayAllRingers.1 	<p>The following ringer formats did not play:</p> <ul style="list-style-type: none"> SPF IMY WAV WMA WMV ASF RA RM 	Ringer tones in these formats will not play on the device	Medium

		<ul style="list-style-type: none"> • RAM • MOV • QT • AVI • AIFF 		
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3.2.11 Security Issue Severity Summary

Issue Severity	Critical	High	Medium	Low	Total
Totals	0	0	0	0	0

3.2.12 System Issue Severity Summary

Issue Severity	Critical	High	Medium	Low	Total
Totals	1	2	3	3	9

3.2.13 System Validation Issues

Feature	Test	Issue	Impact	Severity
Background Audio	<ul style="list-style-type: none"> ▪ BGAudio.1 ▪ ENDKeyBGVoice.1 ▪ ENDKeyFGVoice.1 ▪ LaunchDuringVoice.1 ▪ LaunchWAPVoice.1 	Background applications cannot initiate an audio playback	Applications that require the ability to initiate an audio playback while in the background will be unable to do so and if an application is playing audio and a call comes in, the call might not having functional audio.	Critical
Background Applications	<ul style="list-style-type: none"> ▪ BGAudioFGGVoice.1 ▪ VoiceInterruptAudio.1 ▪ PowerDown.1 ▪ TransitionToBG.1 	An application cannot start up in the background while a WAP application and / or voice call are active	Applications depending on being able to start up in the background will be unable to do so	High
Device Configuration Parameters	<ul style="list-style-type: none"> ▪ GetConfigComplex.1 ▪ GetConfigComplex.2 ▪ GetConfigComplex.3 ▪ GetConfigComplex.4 ▪ GetConfigComplex.5 ▪ GetConfigComplex.7 ▪ GetConfigComplex.8 ▪ GetConfigComplex.9 ▪ GetConfigComplex.11 ▪ GetConfigComplex.12 ▪ GetConfigComplex.13 ▪ GetConfigComplex.14 	DPK is missing several entries.	Missing DPK entries is causing the tests to fail.	Medium
Display Rotation	<ul style="list-style-type: none"> ▪ CoordTrans.1 	Unable to get display bitmap position after display is rotated.	Applications will get incorrect display bitmap positions when display is rotated.	Medium
MMC Attributes	<ul style="list-style-type: none"> ▪ StatsMMC.1 	DPK is missing entries for IDS_DD_HW_MMC1_SIZE_EX, IDS_DD_HW_MMC2_SIZE_VARIANCE and IDS_DD_HW_MMC2_SIZE	Missing DPK entries is causing the test to fail.	Medium
FOTA	<ul style="list-style-type: none"> ▪ InitTest.1 	Cannot create piFota2 instance. Also missing DPK entry of IDS_DD_FOTA_SUPPORTED.	Device could not download firmware updates. Missing DPK entry causing the test to	High

			fail.	
Form Factor External Keys	TestExternalKeys.1	The DPK entry specifies more external keys that the test could verify	Unknown	Low
RLP Settings	NetMgr_SetOpt.2 NetMgr_SetOpt.3 IPv4_SetOpt.2 IPv4_SetOpt.3	There is a software error in OEMNet_SetRLP3Cfg()	Applications will be unable to set the RLP settings	Low
IPv4	<ul style="list-style-type: none"> IPv4_Bind.1 – .9 IPv4_Close.2 IPv4_Connect.1 – .7 IPv4_GetOpt.1 – .20 IPv4_SetOpt.1 – .21 IPv4_GetPeerName.2 IPv4_GetSockName.2, .3 IPv4_IOCTL.1 IPv4_LoopbackTCP_Brew.7 IPv4_LoopbackUDP_Hybrid.1 – .5 IPv4_LoopbackUDP_Inet.1 – .5 IPv4_OpenEx.1 – .9 IPv4_Perf.1 – .2 IPv4_Read.1 – .2 IPv4_ReadV.1 – .2 IPv4_Readable.1 IPv4_RecvFrom.1 – .5 IPv4_RecvMsg.1 – .2 IPv4_Runtime.1 – .4 IPv4_SendTo.1 – .6 IPv4_Write.1 – .2 IPv4_WriteV.1 – .3 IPv4_Writeable.1 IPv4_Close.3 IPv4_Connect.3 IPv4_Helpers.4 SendTo.3 – .5 SetOpt.7 & .12 	Due to the number of test cases breaking, it seems something in the test setup or test module is broken.	Test results are highly suspicious and should be considered inconclusive	Low
Wallpaper	<ul style="list-style-type: none"> ValidateSet_Protected.1 ValidateSet_UnProtected.1 	No image files present in the MCF directory to run the test.	Images present in Protected or UnProtected directories could not be set as wallpapers.	Medium

3.2.14 Telephony Issue Severity Summary

Issue Severity	Critical	High	Medium	Low	Total
Totals	0	0	2	0	2

3.2.15 Telephony Validation Issues

Feature	Test	Issue	Impact	Severity
SMS	<ul style="list-style-type: none"> SRBHD_LatinAsOctet.1 SRBHD_UnicodeAsOctet.1 	Can't send and receive SMS with payload encoding AEE_ENC_LATIN, MO SMS encoding AEESMS_ENC_OCTET and payload consisting of octets	Undetermined	Medium
Telephony	<ul style="list-style-type: none"> ResetACM.1 SetACMMax.1 SetPrefNetworks.5 	DPK is missing entries for IDS_DD_RESET_ACM, IDS_DD_MAX_ACM,	Missing DPK entries is causing the test to fail.	Medium

	SetSubscriptionStatus.2	IDS_DD_NETWORK_CHANGE and IDS_DD_CHANGE_NAM_MODE		
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3.2.16 UI Issue Severity Summary

Issue Severity	Critical	High	Medium	Low	Total
Totals	0	1	1	0	2

3.2.17 UI Validation Issues

Feature	Test	Issue	Impact	Severity
OpenGL	<ul style="list-style-type: none"> BenchmarkTestGL.1 	Device crashes on this test.	Performance could be affected.	Medium
Window Manager	<ul style="list-style-type: none"> WindowManagerTest.1 	Can't verify functionality of Window Manager.	Window Manager may not function correctly.	High