



3G SDK

Release Notes

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| Revision: | Build 2334 |
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1 General

1.1 Purpose

This document is intended to capture technical changes to the 3G SDK release package.

1.2 General

The Build number is a Sierra Wireless assigned number that uniquely identifies all external releases of software and firmware. It is not specific to a product or software revision.

1.3 Summary of Revision History

| Build # | Date |
|------------|----------------------------------|
| Build2334 | October 2 nd , 2009 |
| Build 2287 | September 2 nd , 2009 |
| Build 2252 | August 6 th , 2009 |
| Build 2187 | June 25, 2009 |
| Build 2111 | April 1, 2009 |
| Build 2077 | March 13, 2009 |
| Build 2059 | March 5, 2009 |
| Build 2046 | Feb 23 rd , 2009 |
| Build 2011 | Feb 3 rd , 2009 |
| Build 2006 | January 30 th , 2009 |
| Build 1983 | January 15 th , 2009 |
| Build 1980 | January 14 th , 2009 |
| Build 1897 | November 11 th , 2008 |
| Build 1862 | October 22 nd , 2008 |
| Build 1859 | October 17 th , 2008 |
| Build 1759 | June 11 th , 2008 |
| Build 1668 | March 27 th , 2008 |
| Build 1604 | Jan 22, 2008 |
| Build 1545 | Nov 13, 2007 |
| Build 1532 | October 29, 2007 |
| Build 1525 | October 19, 2007 |
| Build 1487 | September 14, 2007 |
| Build 1401 | June 01, 2007 |
| Build 1326 | March 12, 2007 |
| Build 1158 | November 2, 2006 |
| Build 1121 | September 21, 2006 |
| Build 1061 | August 28, 2007 |

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Changes between this version and the previous one are highlighted in blue.

2 Revision History

2.1 Build 2334 (Notebooks)

| Component | Revision |
|----------------------|-------------------------|
| SwiApiInterface | 1.6.9.6 |
| SwiApiMux | 1.6.9.6 |
| SwiCardDetect | 1.5.0.2 |
| Devices.xml | 1.0.1.4 |
| Drivers | Build 2259 |
| Developer's Guide | Rev 6.0 |
| AT Command Reference | Rev 2.0 |

2.1.1 Summary:

- [BZ18878] Prevent condition where deadlock may occur when calling SwiApiShutdown

2.1.2 Known Issues:

Devices released after USB306 are reported as a USB306 when using AirServer APIs. Use SwiGetDeviceInformation to identify the exact product type.

2.2 Build 2287 (Notebooks)

| Component | Revision |
|----------------------|-------------------------|
| SwiApiInterface | 1.6.9.5 |
| SwiApiMux | 1.6.9.5 |
| SwiCardDetect | 1.5.0.1 |
| Devices.xml | 1.0.1.4 |
| Drivers | Build 2259 |
| Developer's Guide | Rev 6.0 |
| AT Command Reference | Rev 2.0 |

2.2.1 Summary:

- [BZ13528] All public API interface and structures now explicitly use WCHAR where TCHAR was previously defined.
- [BZ18218] Calling SwiApiShutdown multiple times no longer trigger AppVerifier warning
- [BZ17825] RepairDriver64 warning dialogs no longer pop up during driver installation on x64 machines

2.2.2 Known Issues:

- Devices released after USB306 are reported as a USB306 when using AirServer APIs. Use SwiGetDeviceInformation to identify the exact product type.

2.3 Build 2252 (Notebooks)

| Component | Revision |
|-----------------|-------------------------|
| SwiApiInterface | 1.6.9.1 |

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|----------------------|----------------------------|
| SwiApiMux | 1.6.9.1 |
| SwiCardDetect | 1.4.0.8 |
| Devices.xml | 1.0.1.4 |
| Drivers | Build 2259 |
| Developer's Guide | Rev 6.0 |
| AT Command Reference | Rev 2.0 |

2.3.1 Summary:

- Drivers are certified for Windows 7 Mobile Broadband functionality
- SDK is Windows Vista Logo certified
- Introduced SwiGetDeviceInformation to retrieve fundamental device information including product type
- Updated to Doxygen 1.5.9 and added various formatting updates
- Fixed various device detection issue when removing/inserting device across a suspend/resume cycle
- AirServerChange notification now reports available interfaces
- [BZ17253] Redefined SWI_TYPE_SMS_Protocol values
- [BZ16445] Removed use of sockets to avoid warnings by various firewall software
- [BZ14434] Removed band group definitions. Original band mask definitions unchanged.
- [BZ15626] SWI_TYPE_QOSUMTS_Bitrate updated for new QoS values
- [BZ15647] Maximum length of USSD input (LENGTH_USSDInputExp) reduced to 200 bytes down from 230 bytes.
- [BZ13770] Updated SWI_TYPE_AirCard definitions
- [BZ14154] CellId is now returned correctly in SwiGetGsmSystemStatus() and SWI_NOTIFY_GsmSystemStatus
- [BZ17249] Fixed rare SwiApiMux crash when device inserted
- [BZ13971] Resolved contention issues when multiple client applications attempt to use the API simultaneously

2.3.2 Known Issues:

- Devices released after USB306 are reported as a USB306 when using AirServer APIs. Use SwiGetDeviceInformation to identify the exact product type.

2.4 Build 2187 (WinCE)

| Component | Revision |
|----------------------|---------------------------|
| SwiApiInterface | 1.6.4.0 |
| SwiApiMux | 1.6.4.0 |
| SwiCardDetect | 1.2.1.0 |
| Devices.xml | 1.0.0.7 |
| Drivers | 1.0.0.102 |
| Developer's Guide | Rev 6.0 |
| AT Command Reference | Rev 2.0 |

2.4.1 Summary:

- Added USB driver support for Windows Mobile 6.5. It is for armv4i CPU architecture only.
- Added USB driver support for Compass 885 device.
- Added SDK logging support in the registry, default is set to off.

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- Merged SWI and WMP configuration together.
- Removed redundant registry settings from NDIS configuration
- BZ16511: Upper layer application cannot read data when the data buffer is completely full.
- BZ17017: CEPowerControl crashes if the modem is reset when the port driver is deleting object.
- BZ17018: CLRDTR right after modem reset never returns.
- Relocated registry files to be consistent with CDMA SDK.

2.5 Build 2111 (WinCE)

| Component | Revision |
|----------------------|---------------------------|
| SwiApiInterface | 1.6.4.0 |
| SwiApiMux | 1.6.4.0 |
| SwiCardDetect | 1.2.1.0 |
| Devices.xml | 1.0.0.7 |
| Drivers | 1.0.0.101 |
| Developer's Guide | Rev 6.0 |
| AT Command Reference | Rev 2.0 |

2.5.1 Summary:

- Added Windows Mobile 6 and 6.1 support for USB driver. It is for ARMV4I CPU architecture only.
- Allowed viewing driver version in the file properties tab.
- Increased USB host controller physical page size to allow opening more communication pipes.
- Miscellaneous debug message changes.
- BZ15511 – Enhanced the driver to be co-existent with SwiVsp driver for MC8775 in the same bsp image.
- BZ15218 – Corrected DTR behaviour when port flow control feature is enabled.
- BZ15486 – Restrained port IN token activities (BulkIn and Interrupt) if the port was not opened to reduce the traffic on the bus.
- BZ15489 – Enhanced communication link on clean boot. Restrain application to access the modem within the first 60 seconds.
- BZ15490 – Addressed stability issue to host controller caused by setting device remote wakeup feature too soon.
- BZ15491 – Addressed the issue of WMP port stuck in a busy loop with power off or resetting the modem.

2.6 Build 2077 (Notebook)

| Component | Revision |
|----------------------|----------------------------|
| SwiApiInterface | 1.6.8.5 |
| SwiApiMux | 1.6.8.5 |
| SwiCardDetect | 1.2.2.14 |
| Devices.xml | 1.0.0.8 |
| Drivers | Build 2051 |
| Developer's Guide | Rev 6.0 |
| AT Command Reference | Rev 2.0 |

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2.6.1 Summary:

- BZ14851 - Addressed various USB306 device detection issues. Available interfaces (NDIS vs COM port) reported to host application.
- BZ13953 – Removing device while attempting to reinstall drivers no longer causes device to become disabled in Device Manager
- BZ14319 – Enhanced Driver Installer logging

2.7 Build 2059 (WinCE)

| Component | Revision |
|----------------------|-----------------------|
| SwiApiInterface | 1.6.4.0 |
| SwiApiMux | 1.6.4.0 |
| SwiCardDetect | 1.2.1.0 |
| Devices.xml | 1.0.0.7 |
| Drivers | Build 1967/Build 1989 |
| Developer's Guide | Rev 6.0 |
| AT Command Reference | Rev 2.0 |

2.7.1 Summary:

- Repack WinCE SDK build 2006 to include x86 instruction set support for USB drivers (both WinCE 5 and WinCE 6), SDK libraries, and sample applications.
- USB drivers are distributed as dll binaries and registry files are classified as the following configurations.
 - o SWI
 - o WMP
 - o NDIS
- Debug drivers are also provided in case there is interests.
- eBox-4300 images with embedded driver are provided as eBox-4300 is the testing platform.

2.8 Build 2046

| Component | Revision |
|----------------------|----------------------------|
| SwiApiInterface | 1.6.8.1 |
| SwiApiMux | 1.6.8.1 |
| SwiCardDetect | 1.2.2.9 |
| Devices.xml | 1.0.0.8 |
| Drivers | Build 2037 |
| Developer's Guide | Rev 6.0 |
| AT Command Reference | Rev 2.0 |

2.8.1 Summary:

- BZ14632 – Delay reporting of device availability if both NDIS and COM port interfaces are not immediately available
- BZ13971 – USB306 insertion no longer causes a rare crash in SwiApiMux
- BZ14642 – Addressed USB306 compatibility issues with firmware update tool
- BZ14549 – Removed support for sciew parser, default to MSXML parser
- BZ14568 – Check the USB connection before starting to communicate with the modem. Returns error if it fails so the driver can be unloaded.
- Fixed BSOD issues with the USB306

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2.9 Build 2011

| Component | Revision |
|----------------------|----------------------------|
| SwiApiInterface | 1.6.7.4 |
| SwiApiMux | 1.6.7.4 |
| SwiCardDetect | 1.2.2.7 |
| Devices.xml | 1.0.0.7 |
| Drivers | Build 2005 |
| Developer's Guide | Rev 6.0 |
| AT Command Reference | Rev 2.0 |

2.9.1 Summary:

- BZ13165 – Updated End User License Agreement
- BZ14340 – Correctly detect USB306 device across hibernate/resume cycle
- BZ14514 – Correctly detect USB306 device across hibernate/resume cycle
- Updated online reference guide for SwiApiX R1.6.7.4 changes
- Implemented new data packet format between host and modem firmware
- Implemented throughput improvements for 7.2 Mbps capable devices

2.10 Build 2006 (WinCE)

| Component | Revision |
|----------------------|---------------------------------------|
| SwiApiInterface | 1.6.7.0 |
| SwiApiMux | 1.6.7.0 |
| SwiCardDetect | 1.2.2.0 |
| Devices.xml | 1.0.0.7 |
| Drivers | Build 1967/Build 1989 |
| Developer's Guide | Rev 6.0 |
| AT Command Reference | Rev 2.0 |

2.10.1 Summary:

- Repack WinCE SDK build 1980 to include MC8790 Windows CE 5 driver build 1989.
- This WinCE 5 driver build 1989 supports ARMV4I platform, and is distributed as installable cab files for each of the following configurations.
 - o SWI
 - o WMP
 - o SWI/NDIS.

2.11 Build 1983

| Component | Revision |
|----------------------|----------------------------|
| SwiApiInterface | 1.6.7.3 |
| SwiApiMux | 1.6.7.3 |
| SwiCardDetect | 1.2.2.5 |
| Devices.xml | 1.0.0.8 |
| Drivers | Build 1977 |
| Developer's Guide | Rev 6.0 |
| AT Command Reference | Rev 2.0 |

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2.11.1 Summary:

- BZ13710 – Sample applications: clicking the connect button more than once without a device inserted no longer produce internal error message.
- BZ11768 – Windows Vista Certified (pending approval)
- BZ12117 – Updated missing header comments, added new notification type, and added new SwiGetPktSessionStatusEx interface
- BZ13516 – Call to SwiApiStartup will not return until SwiApiMux is operational
- BZ13308 – SWI_SERIVCE_TYPE_GPRS changed to SWI_SERVICE_TYPE_PS
- Added support for USB306
- BZ13997 – Fixed a rare crash in SwiApiMux

2.12 Build 1980 (WinCE)

| Component | Revision |
|----------------------|----------------------------|
| SwiApiInterface | 1.6.7.0 |
| SwiApiMux | 1.6.7.0 |
| SwiCardDetect | 1.2.2.0 |
| Devices.xml | 1.0.0.7 |
| Drivers | Build 1967 |
| Developer's Guide | Rev 6.0 |
| AT Command Reference | Rev 2.0 |

2.12.1 Summary:

- Repack the latest WinCE SDK with WinCE driver build 1967.
- This driver build 1967 is the release candidate for MC8790 on WinCE 6 ARMV4I platform, and it supports the following configurations through registry settings.
 - o SWI
 - o WMP
 - o SWI/NDIS

2.13 Build 1897

2.13.1 Summary:

- Repack of Build 1859 to include Windows CE5 drivers

2.14 Build 1862

| Component | Revision |
|-------------------|----------------------------|
| SwiApiInterface | 1.6.7.0 |
| SwiApiMux | 1.6.7.0 |
| SwiCardDetect | 1.2.2.0 |
| Devices.xml | 1.0.0.7 |
| Drivers | Build 1817 |
| Developer's Guide | Rev 6.0 |

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| AT Command Reference | Rev 2.0 |
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2.14.1 Summary:

- Added support for USB 304, USB 305, and USB306 devices.
- Added support for Windows 2008 Server and Windows 7
- Size of SWI_STRUCT_GsmProfileChange is now correctly reported by SWI_NOTIFY_GsmProfileChange
- BZ12202 - Fix an issue which caused long delays unloading the driver on Vista
- BZ12101 - Do not set the RSSI timer if driver going to unload
- BZ12358 - Reset the USB pipe if there is an error. This is now the default behaviour.

2.14.2 Known Issues

- BZ9830 - If the SDK libraries are not installed in the same directory as the calling application, the working directory path must be set to the path of the SDK libraries before calling SwiApiStartup.

2.15 Build 1859

| Component | Revision |
|----------------------|--------------------------|
| SwiApiInterface | 1.6.6.21 |
| SwiApiMux | 1.6.6.21 |
| SwiCardDetect | 1.2.1.12 |
| Devices.xml | 1.0.0.6 |
| Drivers | Build 1763 |
| Developer's Guide | Rev 6.0 |
| AT Command Reference | Rev 2.0 |

2.15.1 Summary:

- Updated SDK License agreement
- Added support for Windows CE 6.0 using MC8780 driver.
- Corrected function name SwiGetObjRngRev for CE.
- MP APIs now return a failure code if API not initialized properly.
- BZ11860 – CustomerId field added to SWI_STRUCT_FeatureCustomizations
- Removed nVersion from SWI_STRUCT_FeatureCustomizations
- BZ12419 - LENGTH_UserName and LENGTH_Password definitions increased from 32 to 128.
- Fixed handle leak in SwiApiMux.cpp WndProc function
- B12855 MP881 profiles now saved correctly
- B12783 Profile labels will now handle USC2 characters correctly. The modem will accept up to 30 ASCII characters or 14 USC2 characters.
- B11586 Added additional checks to increase protection for thread safety
- Added detection code for MC8790 composite modem.

2.15.2 Known Issues

- BZ9830 - If the SDK libraries are not installed in the same directory as the calling application, the working directory path must be set to the path of the SDK libraries before calling SwiApiStartup.

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2.16 Build 1759

| Component | Revision |
|----------------------|------------|
| SwiApiInterface | 1.6.6.12 |
| SwiApiMux | 1.6.6.12 |
| SwiCardDetect | 1.2.1.6 |
| Devices.xml | 1.0.0.5 |
| Drivers | Build 1763 |
| Developer's Guide | Rev 6.0 |
| AT Command Reference | Rev 2.0 |

2.16.1 Summary:

- Added support for the following devices:
 - o MP875W
 - o MP880
 - o MP880W
 - o MP881
 - o MP881W
 - o C22
 - o C23
 - o C888
 - o C889
- Added new API interfaces:
 - o SwiGetFlashImgInfo
 - o SwiGetRmCfg
 - o SwiSetRmCfg
 - o SWI_STRUCT_SetRmCfg
 - o SWI_STRUCT_GetRmCfg
- Updated online reference manual for new interfaces and definition changes.
- Changes to sample applications:
 - o BZ10911: Gsm_RadioOnOff – "Turn Radio Off" button is no longer disabled after device reset
 - o BZ10910: Gsm_ProfileManipulate – Deactivate button was now refreshed correctly
 - o BZ10912: Gsm_SIMLock – Remaining attempts is now reported correctly
 - o BZ10909: Gsm_Connect – Correct return code is now returned when connecting to a valid profile
 - o BZ10915: GSM_SMSInbox – Received SMS messages are now displayed correctly when application is restarted
 - o Removed DeviceChange sample application. This sample application was not applicable for WinCE and examples to handle device insertion/removal already exist in other sample applications.
- Updated comments for SwiGetDeviceTime and added support for SWI_NOTIFY_DeviceTime notification
- Redefined SWI_STRUCT_GsmCellMeasure structure
- Added additional measures to ensure SwiApiMux shutdown correctly even when system calls (SetTimer) fail.
- BZ11638: Added file description for SwiApiMux
- Increased internal timeouts for SwiSelectAirServer call from 3 seconds to 15 seconds

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2.16.2 Known Issues

- BZ9830 - If the SDK libraries are not installed in the same directory as the calling application, the working directory path must be set to the path of the SDK libraries before calling SwiApiStartup.

2.17 Build 1668

| Component | Revision |
|-----------------------------------|----------------------------|
| SwiApiInterface | 1.6.6.4 |
| SwiApiMux | 1.6.6.4 |
| SwiCardDetect | 1.2.1.0 |
| Devices.xml | 1.0.0.3 |
| Drivers | Build 1660 |
| Developer's Guide | Rev 6.0 |
| AT Command Reference | Rev 2.0 |

2.17.1 Summary:

- Updated header files for SwiApiX-R1.6.6.4
- Updated library files for SwiApiX-R1.6.6.4
- Include online API reference manual. See "Documents" folder of the SDK package. This manual provides detailed description of all supported APIs.
- BZ10178 - UMTS User Guide documentation updated for SwiApiX changes
- BZ9898 - Updated SwiSetMicMute description
- B10208 - Fixed bug where network status notifications caused a UI refresh which cleared user input before the user can submit changes to the modem.
- B10199 - Fixed crash when executing Gsm_SMSInbox.exe in Vista-32
- Fixed bug where SWI_NOTIFY_LbsNiReq notifications were not generated
- The following functions/definitions are no longer supported:
 - o SwiGetFirmwareRevision
 - o SWI_STRUCT_RevisionExt
 - o SwiGetAvailableFeature
 - o SwiGetFwDownloadError
 - o SwiGetTestHistoryByte
 - o SwiSetAudioComfort
 - o SetGetCallTimers
 - o SwiClearCallTimers
 - o SwiNvStore
 - o SwiSetUnstructuredSupplementaryServiceExp
 - o SwiSetUnstructuredSupplementaryService
 - o SWI_TYPE_CallInfo
- Fixed bug where enabling SWI_NOTIFY_LbsLocNotifyStatus, SWI_NOTIFY_LbsDloadNotifyStatus, SWI_NOTIFY_LbsParamNotifyStatus would fail.
- Fixed bug where GsmCellInfo RAC value was returned incorrectly
- BZ10362 - Added MP serial support
- BZ10750 - Fixed handle leaks on shutdown
- BZ10770 - Rename function to SwiSetLbsPaPortId from SwiSetLbsPaortId
- BZ10777 - CDMA specific LBS functions moved to SwiApiCdma.h
- Added new device enumerations to SWI_TYPE_AirCard

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2.17.2 Known Issues

- If the SDK libraries are not installed in the same directory as the calling application, the working directory path must be set to the path of the SDK libraries before calling SwiApiStartup.

2.18 Build 1604

| Component | Revision |
|-----------------|----------|
| SwiApiInterface | 1.6.4.0 |
| SwiApiMux | 1.6.4.0 |
| SwiCardDetect | 1.2.1.0 |
| Devices.xml | 1.0.0.3 |

2.18.1 Summary:

- Updated header files for SwiApiX-R1.6.4.0
- Updated library files for SwiApiX-R1.6.4.0
- (BZ9777) Added SwiGetFlashImagelInfo to retrieve firmware flash information from the device
- Removed the following obsolete definitions from header files:
 - o SWI_STRUCT_UdpOpenParams
 - o SWI_STRUCT_CommParams
 - o SWI_TYPE_PhysicalInterface
 - o SWI_STRUCT_OpenParams
 - o SWI_STRUCT_DriverName
- (BZ9758) Added R3_v2.0 LBS support
- (BZ9918) Added support for the following products:
 - o MC8785
 - o MC8790
 - o MC8791
 - o AirCard 885E
 - o AirCard 886E
 - o Compass 885
 - o Compass 886
- Fixed bug where SWI_NOTIFY_SystemTime was not being generated. Invalid SWI_NOTIFY_AudioProfile notifications were being generated instead.
- (BZ6790) Creating sample APP for SwiGetBandInfo()

2.18.2 Known Issues

- SWI_NOTIFY_LbsNiReq notifications are not generated

2.19 Build 1545

| Component | Revision |
|---------------|----------|
| SwiApiX | 1.6.3.0 |
| SwiCardDetect | 1.2.0.7 |
| Devices.xml | 1.0.0.2 |

2.19.1 Summary:

- Updated header files for SwiApiX-R1.6.3.0

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- Updated library files for SwiApiX-R1.6.3.0
- (BZ9502) Implement CNS_AUDIO_PROFILE SET response
- (BZ9496) Fixed SwiSelectAirServer issue with multiple threads
- (BZ9527) API maximum band parameters
- (BZ9550) SwiApiInterface logging by default
- (BZ9584) Fixed bug wrong device ID being used

2.20 Build 1532

| Component | Revision |
|---------------|----------|
| SwiApiX | 1.6.2.1 |
| SwiCardDetect | 1.2.0.6 |
| Devices.xml | 1.0.0.2 |
| Expat | 1.1.0.0 |

2.20.1 Summary:

- Updated header files for SwiApiX-R1.6.2.1
- Updated library files for SwiApiX-R1.6.2.1
- (BZ8722) Fixed intermittent crash when SwiApiMux shuts down due to WSACleanUp call.
- (BZ9381) Fixed bug which prevented other processes from initializing the SDK if SwiApiInterface was first loaded by a service. CreateEvent with proper security attributes.
- (BZ8089) Added support for SMS delivery status report

2.21 Build 1525

| Component | Revision |
|-----------------|----------|
| SwiApiX | 1.6.2.0 |
| SwiCardDetect | 1.2.0.6 |
| Expat | 1.1.0.0 |
| Notebook driver | N/A |
| CE driver | 0.27 |

2.21.1 Summary:

- Updated header files for SwiApiX-R1.6.2.0
- Updated library files for SwiApiX-R1.6.2.0
- Resolved problem that WinCE SDK not recognizing module re-enumeration when returning to full power mode
- Added new Radio On/Off sample application
- Add Set Host Power State USB vendor specific message
- Extended SWI_TYPE_PLMN_Mode to support SWI_PLMNMODE_Manual_2G
- CNS_SYSTEM_STATUS band field update
- Added support for new MP WIFI/unlock objects
- Modem name now returned in extended air server info (internal)

2.22 Build 1487

| Component | Revision |
|-----------|----------|
| SwiApiX | 1.6.1.1 |

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|-----------------|------------|
| SwiCardDetect | 1.2.0.5 |
| Expat | 1.1.0.0 |
| Notebook driver | Build 1497 |
| CE driver | 0.25 |

2.22.1 Summary:

- Updated header files for SwiApiX-R1.6.1.1
- Updated library files for SwiApiX-R1.6.1.1
- Fixed bug WinCE SDK not recognizing module re-enumeration when Returning to full power mode
- CE SDK supports un-mangled function names (MC8775)
- SwiCardDetect reads port name from registry
- Updated MultiPartyCall to end a specific un-answered outgoing call

2.23 Build 1401

| Component | Revision |
|-----------------|------------|
| SwiApiX | 1.6.0.2 |
| SwiCardDetect | 1.2.0.3 |
| Notebook driver | Build 1418 |
| CE driver | N/A |

2.23.1 Summary:

- Updated header files for SwiApiX-R1.6.0.2
- Updated library files for SwiApiX-R1.6.0.2
- Updated sample apps for SwiApiX-R1.6.0.2
- Using new API interfaces: SwiApiStartup, SwiApiShutdown, SwiGetAvailAirServers, SwiSelectAirServer
- Using new SWI_TYPE_Device enumerations
- Separated API open and device binding into two states. API open state is Now called before device selection.
- Swi_NOTIFY_Power is obsolete and replaced with SWI_NOTIFY_MUX_Shutdown
- Removed W2K runtime incompatibilities for SwiApiMux.
- SwiApiMux no longer uses IpHelper. It relies on WMI instead for adapter info.
- SwiApiMux implements media sensing for Ethernet-based MP modules.
- SwiApiMux implements Discovery response debouncing (3 seconds).
- Removed obsolete SWI_NOTIFY_SwiApi_State notification
- SWI_RCODE_API_NOT_OPEN is returned if SwiApiStartup has not been called,
- While SWI_RCODE_NOT_INIT is returned if SwiSelectAirServer has not been called
- Added support for AC880U AC881U, AC885U, AC885E
- Make SwiCardDetect statically link to the MFC dlls

2.24 Build 1326

| Component | Revision |
|-----------------|------------|
| SwiApiX | 1.5.0.4 |
| SwiCardDetect | 1.2.0.3 |
| Notebook driver | Build 1303 |

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2.24.1 Summary:

- Updated header files for SwiApiX-R1.5.0.4
- Updated library files for SwiApiX-R1.5.0.4
- Updated sample apps for SwiApiX-R1.5.0.4
- Updated the GetHighestPriorityDeviceType function to simply return the first device type found
- Restructured sample_code folder and Library_Files folder
- Renamed project files' name
 - o ConnectAPI
 - o DeviceChange (not available on WinCE)
 - o Gsm_DialNumber
 - o Gsm_Connect
 - o Gsm_MultipartyCall
 - o Notification
 - o Gsm_PLMNSelect
 - o Gsm_ProfileManipulate
 - o Gsm_SimLock
 - o Gsm_SMSInbox
 - o Gsm_SMSOutbox
- Merged CE, win32 and x64 support into one project file

2.25 Build 1158

| Component | Revision |
|---------------|----------|
| SwiApiX | 1.3.1.1 |
| SwiCardDetect | 1.1.1.4 |

2.25.1 Summary:

- Updated header files for SwiApiX-R1.3.1.1
- Updated library files for SwiApiX-R1.3.1.1
- Updated sample apps for SwiApiX-R1.3.1.1
- Added multi-processor support for CE
- Released Voice Supplementary Services API's

2.26 Build 1121

| Component | Revision |
|---------------|----------|
| SwiApiX | 1.3.1.1 |
| SwiCardDetect | 1.1.1.4 |

2.26.1 Summary:

- Updated header files for SwiApiX-R1.3.0.5
- Updated library files for SwiApiX-R1.3.0.5
- Updated sample apps for SwiApiX-R1.3.0.5
 - o ConnectAPISample
 - o DialNumberSample
 - o GPRSConnectSample
 - o MultipartyCallSample

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- o NotificationSample
- o PLMNSelectSample
- o ProfileManipulateSample
- o SimLockSample
- o SMSInboxSample
- o SMSOutboxSample

2.27 Build 1061

| Component | Revision |
|---------------|----------|
| SwiApiX | 1.2.1.6 |
| SwiCardDetect | 1.0.4.7 |

2.27.1 Summary:

- Updated header files for SwiApiX-R1.2.1.6
- Updated library files for SwiApiX-R1.2.1.6
- Updated sample apps for SwiApiX-R1.2.1.6
 - o ConnectAPISample
 - o GPRSConnectSample
 - o NotificationSample