



SIERRA
WIRELESS™

**Gobi SDK
for Windows CE
Operation Systems**

Release Notes

Revision:	Build 2.8
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1 General

1.1 Purpose

This document is intended to capture technical changes to the Gobi 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
2.8	6 th Mar 2015
2.7	9 th Feb 2015
2.6	12 th Dec 2014
2.5	5 th Nov 2014
2.4	10 th Oct 2014
2.3	29 th Aug 2014
2.2	23 rd April 2014
2.1	Jan 15 th , 2014
2.0	Dec 24 th , 2013
1.8	Dec 05 th , 2013
1.7	Nov 08 th , 2013
1.6	Sept 27 th , 2013
1.5	Sept 19 th , 2013
1.4	August 23 rd , 2013
1.3	August 16 th , 2013
1.2	July 9 th , 2013
1.0	June 1 st , 2013

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Build #	Date
Build 3279	November 3 rd , 2011
Build 3260	October 18 th , 2011
Build 3227	October 14 th , 2011
Build 3056	May 27 th , 2011
Build 3014	April 29 th , 2011
Build 2975	March 25 th , 2011
Build 2931	March 2 nd , 2011
Build 2905	February 11 th , 2011
Build 2874	January 14 th , 2011
Build 2821	November 26 th , 2010
Build 2795	October 15 th , 2010
Build 2760	September 24 th , 2010
Build 2711	August 13 th , 2010
Build 2693	August 6 th , 2010
Build 2668	July 22 nd , 2010
Build 2637	July 8 th , 2010
Build 2626	June 28 th , 2010
Build 2611	June 11 th , 2010
Build 2602	May 26 th , 2010
Build 2588	May 13 th , 2010
Build 2583	May 5 th , 2010
Build 2571	May 3 rd , 2010
Build 2543	April 12 th , 2010
Build 2498	March 18 th , 2010
Build 2488	February 18 th , 2010
Build 2451	January 29 th , 2010
Build 2400	January 7 th , 2010
Build 2385	November 27 th , 2009
Build 2369	November 2 nd , 2009
Build 2347	October 8 th , 2009
Build 2287	September 15 th , 2009

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2 Revision History

2.1 V2.8

2.1.1 Summary

This release includes the following bug fix and new features.

- [DEV78051] FDT for CE to sync up with PC FDT, from version 4.1.1402 SVN revision 4937 to 5.0.1501.2 SVN revision 10786
- [DEV77886] FDT for CE fix for Windows Mobile 6.5. FDT may show timeout during the final module reset of the upgrade process.
- [DEV78359] FDT for windows mobile to adopt different screen resolution automatically
- [DEV78361] SwiGobi to disable selective suspend automatically if the module is in download mode.
- [DEV78363] FDTCE documentation update
- [DEV77881] General GobiAPI documentation update

2.1.2 Known Issues

- [DEV75029] Throughput over LTE network require a higher end processor.
- [SBM15220] MC73xx firmware crash when WM6.5 is resumed from suspend
- [ANO76253] swigobi locks up and not able to unload if module does not response to some vendor specific USB command during attach

2.1.3 Release Components

GobiApi.dll	2.8.0.291
SwiQdl.dll	2.8.0.291
SwiGobi.dll	2.8.0.291
SimpleCM.exe	2.8.0.291
SMSSample.exe	2.8.0.291
VoiceDialer.exe	2.8.0.291
PinLock.exe	2.8.0.291
FDTCE.exe	5.0.1501.2.291

2.1.4 Supported Configurations

Windows CE6.0 (ARMV4I)
Windows CE6.0 (x86)
Windows CE7.0 (ARMV4I)
Windows CE7.0 (x86)
Windows Mobile 6.5 (ARMV4I)

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2.2 V2.7

2.2.1 Summary

This release includes the following bug fix and new features.

- [DEV77275] function prototype of GetByteTotals() in QCWWANCMAPI2K.h is not up to date
- [DEV77365] Visual studio 2008 compile fix for CEGobiSDK targeting windows mobile 6.5
- [DEV77464] new QMI based NMEA sample application
- [DEV77515] resurrecting the API SetNMEACallback
- [DEV77498] with SL9090RD, switching from CDMA image to other carrier image may fail
- [DEV77657] FirmwareUpgrade2kW API fix for SL9090RD
- [DEV77639] wireshark style logging for SwiGobi NDIS interface
- [DEV77886] FDT window GUI setting separation between CE and WM build

2.2.2 Known Issues

- [DEV75029] Throughput over LTE network require a higher end processor.
- [SBM15220] MC73xx firmware crash when WM6.5 is resumed from suspend
- [ANO76253] swigobi locks up and not able to unload if module does not response to some vendor specific USB command during attach

2.2.3 Release Components

GobiApi.dll	2.7.0.285
SwiQdl.dll	2.7.0.285
SwiGobi.dll	2.7.0.285
SimpleCM.exe	2.7.0.285
SMSSample.exe	2.7.0.285
VoiceDialer.exe	2.7.0.285
PinLock.exe	2.7.0.285

2.2.4 Supported Configurations

Windows CE6.0 (ARMV4I)
Windows CE6.0 (x86)
Windows CE7.0 (ARMV4I)(use CE6.0 binary)
Windows CE7.0 (x86) (use CE6.0 binary)
Windows Mobile 6.5 (ARMV4I)

2.3 V2.6

2.3.1 Summary

This release includes the following bug fix and new features.

- [DEV76524] GetImageInfo() to support MC73xx firmware file types.
- [DEV76733] Add duration to AudioPlayAudioTone
- [DEV76338] FDT CE to return error code on program exit

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- [DEV76403] Documentation of PBM and UIM APIs in header files. Moved all PBM related items from GobiVoiceMgmtApi.h to GobiPbMgmtApi.h.

2.3.2 Known Issues

- [DEV75029] Throughput over LTE network require a higher end processor.
- [SBM15220] MC73xx firmware crash when WM6.5 is resumed from suspend
- [ANO76253] swigobi locks up and not able to unload if module does not response to some vendor specific USB command during attach

2.3.3 Release Components

GobiApi.dll	2.6.0.273
SwiQdl.dll	2.6.0.273
SwiGobi.dll	2.6.0.273
SimpleCM.exe	2.6.0.273
SMSSample.exe	2.6.0.273
VoiceDialer.exe	2.6.0.273
PinLock.exe	2.6.0.273

2.3.4 Supported Configurations

Windows CE6.0 (ARMV4I)
Windows CE6.0 (x86)
Windows CE7.0 (ARMV4I)(use CE6.0 binary)
Windows CE7.0 (x86) (use CE6.0 binary)
Windows Mobile 6.5 (ARMV4I)

2.4 V2.5

2.4.1 Summary

This release adds some more APIs and bug fixes.

- [DEV75940] Add G5K support in GetFirmwareInfo API
- [ANO76019] PID 9040 was missing in sample setup CAB package
- [ANO76144] New GetImageFormat API for FDT to support upgrading CWE and NVU at the same time
- [ANO76150] FDT may crash on specific command line length
- [ANO76158] FDT to support space in file path name if the filename is double quoted.
- [ANO76177] FDT to detect file names in local directory when there is no command line parameter specified
- [DEV76229] FDT to support silent mode operation by new command line parameters – gui, -nogui, -silent
- [DEV76207] New API SetWdsClientIPFamilyPreference to to choose between IPV4 and IPV6
- [ANO76211] Update ResetModem API to support MC73xx. ResetModem now call SetPower(POWEROFF) in case SetPower(RESET) failed.

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- [DEV76236] Rename incorrectly named API from SwiGetFirmwareStatus to SwiGetFWUpdateStatus

2.4.2 Known Issues

- [DEV75029] Throughput over LTE network require a higher end processor.
- [SBM15220] MC73xx firmware crash when WM6.5 is resumed from suspend

2.4.3 Release Components

GobiApi.dll	2.5.0.266
SwiQdl.dll	2.5.0.266
SwiGobi.dll	2.5.0.266
SimpleCM.exe	2.5.0.266
SMSSample.exe	2.5.0.266
VoiceDialer.exe	2.5.0.266
PinLock.exe	2.5.0.266

2.4.4 Supported Configurations

Windows CE6.0 (ARMV4I)
Windows CE6.0 (x86)
Windows CE7.0 (ARMV4I)(use CE6.0 binary)
Windows CE7.0 (x86) (use CE6.0 binary)
Windows Mobile 6.5 (ARMV4I)

2.5 V2.4

2.5.1 Summary

This release adds support of Sierra Wireless M2M AV API and bug fixes.

- [ANO70771] SMSSample does not work in CDMA
- [DEV75751] SwiSetServingSystemInfoCallback
- [DEV75746] QMI_UIM_EVENT_REG_MSG, UMI_UIM_STATUS_CHANGE_IND_MSG
- [ANO70771] SMSSample does not work in CDMA

2.5.2 Known Issues

- [DEV75029] Throughput over LTE network require a higher end processor.
- [SBM15220] MC73xx firmware crash when WM6.5 is resumed from suspend

2.5.3 Release Components

GobiApi.dll	2.4.0.255
SwiQdl.dll	2.4.0.255
SwiGobi.dll	2.4.0.255
SimpleCM.exe	2.4.0.255

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SMSSample.exe	2.4.0.255
VoiceDialer.exe	2.4.0.255
PinLock.exe	2.4.0.255

2.5.4 Supported Configurations

Windows CE6.0 (ARMV4I)
Windows CE6.0 (x86)
Windows CE7.0 (ARMV4I)(use CE6.0 binary)
Windows CE7.0 (x86) (use CE6.0 binary)
Windows Mobile 6.5 (ARMV4I)

2.6 V2.3

2.6.1 Summary

This release adds support of Sierra Wireless M2M AV API and bug fixes.

- [CUS82904] SendInitControlRequests may fail occasionally
- [ANO71470] API timeout after multiple QMI clients are loaded
- [DEV72991] Sierra Wireless M2M AV API support
- [DEV73532] MC73xx requires DHCP to enable data traffic but WM6.5 doesn't use DHCP in RIL
- [BZ48228] Unicode messages was corrupted in QmiSwiOmaExEventInd
- [DEV74972] SimpleCM sample application display LTE instead of unknown radio technology
- [DEV75023] SendInitControlRequests are now controlled by registry instead of hard coded.

2.6.2 Known Issues

- [ANO70771] SMSSample does not work with CDMA network
- [DEV75029] Throughput over LTE network require a higher end processor.
- [SBM15220] MC73xx firmware crash when WM6.5 is resumed from suspend

2.6.3 Release Components

GobiApi.dll	2.3.0.248
SwiQdl.dll	2.3.0.248
SwiGobi.dll	2.3.0.248
SimpleCM.exe	2.3.0.248
SMSSample.exe	2.3.0.248
VoiceDialer.exe	2.3.0.248
PinLock.exe	2.3.0.248

2.6.4 Supported Configurations

Windows CE6.0 (ARMV4I)
Windows CE6.0 (x86)

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Windows CE7.0 (ARMV4I)(use CE6.0 binary)
Windows CE7.0 (x86) (use CE6.0 binary)
Windows Mobile 6.5 (ARMV4I)

2.7 V2.2

2.7.1 Summary

This release fixes bugs with MC73xx modules.

- [ANO71453] FWUpdater may return 5077 timeout when updating a firmware
- [ANO71469] SwiGobi cannot be unloaded after a data connection is connected with the NDIS interface is up
- [ANO71450] Support of PID 68C0
- [ANO71498] Support of PID 9040
- [ANO71451] FWUpdater may return 5067 timeout error when updating a firmware

2.7.2 Known Issues

- [ANO70771] SMSSample does not work with CDMA network

2.7.3 Release Components

GobiApi.dll	2.2.0.234
SwiQdl.dll	2.2.0.234
SwiGobi.dll	2.2.0.234
SimpleCM.exe	2.2.0.234
SMSSample.exe	2.2.0.234
VoiceDialer.exe	2.2.0.234
PinLock.exe	2.2.0.234

2.7.4 Supported Configurations

Windows CE6.0 (ARMV4I)
Windows CE6.0 (x86)
Windows CE7.0 (ARMV4I)(use CE6.0 binary)
Windows CE7.0 (x86) (use CE6.0 binary)
Windows Mobile 6.5 (ARMV4I)

2.8 V2.1

2.8.1 Summary

This release fixes bugs found during Sprint certification and is pending for a re-test.

- [CUS71152] New APIs: Set3Gpp2SubscriptionInfo and Get3Gpp2SubscriptionInfo
- [CUS70871] Updating GetIPConfiguration API, return OK even if DNS is not reported

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2.8.2 Known Issues

- [ANO70771] SMSSample does not work with CDMA network

2.8.3 Release Components

GobiApi.dll	2.1.0.226
SwiQdl.dll	2.1.0.226
SwiGobi.dll	2.1.0.226
SimpleCM.exe	2.1.0.226
SMSSample.exe	2.1.0.226
VoiceDialer.exe	2.1.0.226
PinLock.exe	2.1.0.226

2.8.4 Supported Configurations

Windows CE6.0 (ARMV4I)
Windows CE6.0 (x86)
Windows CE7.0 (ARMV4I)(use CE6.0 binary)
Windows CE7.0 (x86) (use CE6.0 binary)
Windows Mobile 6.5 (ARMV4I)

2.9 V2.0

2.9.1 Summary

This release passed Australia A-Tick certification with the following fix.

- [DEV70767] FDT for MC73xx stability improvement and reduce memory usage
- [ANO70772] Support PID 0x9041
- [ANO70769] No data traffic after establishing data connection with SimpleCM with MC7355

2.9.2 New registry settings

HKLM\Software\Sierra Wireless Inc\USB\VID_PID\Default\Default

Please correspond VID_PID to the module's actual VID and PID value in decimal number

- DWORD DisableQMChannel, set it to 1 to disable QMI channel support in driver, for testing purpose.
- DWORD QMChannel specify the QMI channel to use, default to 0 to maintain compatibility with earlier releases for GOBI 2K and 3K

2.9.3 Known Issues

- [ANO70771] SMSSample does not work with CDMA network

2.9.4 Release Components

GobiApi.dll	2.0.0.221
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SwiQdl.dll	2.0.0.221
SwiGobi.dll	2.0.0.221
SimpleCM.exe	2.0.0.221
SMSSample.exe	2.0.0.221
VoiceDialer.exe	2.0.0.221
PinLock.exe	2.0.0.221

2.9.5 Supported Configurations

Windows CE6.0 (ARMV4I)
Windows CE6.0 (x86)
Windows CE7.0 (ARMV4I)(use CE6.0 binary)
Windows CE7.0 (x86) (use CE6.0 binary)
Windows Mobile 6.5 (ARMV4I)

2.10 V1.8

2.10.1 Summary

This release passed Australia A-Tick certification with the following fix.

- [CUS70248] Emergency call for ECC stored in SIM

2.10.2 Known Issues

- None

2.10.3 Release Components

GobiApi.dll	1.8.0.210
SwiQdl.dll	1.8.0.210
SwiGobi.dll	1.8.0.210
SimpleCM.exe	1.8.0.210
SMSSample.exe	1.8.0.210
VoiceDialer.exe	1.8.0.210
PinLock.exe	1.8.0.210

2.10.4 Supported Configurations

Windows CE6.0 (ARMV4I)
Windows CE6.0 (x86)
Windows Mobile 6.5 (ARMV4I)

2.11 V1.7

2.11.1 Summary

This release mainly adds MC730X support. USB audio will be added in another release.

- [BZ48377] Close button is not visible in SMS sample for CE

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- [BZ48314] SimpleCM application was broken by API change for RUIIM
- [BZ48408] MC730X support in SwiGobi.
 - ATPPP/DM/NMEA/PDP ports are supported
 - UseNdisConfiguration now default to CE and 0 for WM if the value is not found in registry.
- [BZ48464] use upin_state instead of pin1_state if univ_pin is set.
- [BZ47473] Porting FDT from PC to CE/WM

2.11.2 Known Issues

- None

2.11.3 Release Components

GobiApi.dll	1.7.0.169
SwiQdl.dll	1.7.0.169
SwiGobi.dll	1.7.0.169
SimpleCM.exe	1.7.0.169
SMSSample.exe	1.7.0.169
VoiceDialer.exe	1.7.0.169
PinLock.exe	1.7.0.169

2.11.4 Supported Configurations

Windows CE6.0 (ARMV4I)
Windows CE6.0 (x86)
Windows Mobile 6.5 (ARMV4I)

2.12 V1.6

2.12.1 Summary

This release mainly adds ##debug menu for Sprint

- [BZ48185] New QMI API for sprint ##DEBUG and ##DEBUGTST menu
 - GetErrRate
 - GetTxRxInfo
 - SwiGetHrpdStats
 - SwiGetCwePkgsInfo
 - GetMobCaiRev
 - GetHdrColorCode
 - SwiGetHrpdStats
 - SetDdtmPreference
 - SwiGetCdmaDominantPn
- [BZ48314] UIM API from DMS API group are prefixed with DMS now

2.12.2 Known Issues

- None

2.12.3 Release Components

GobiApi.dll	1.6.0.142
SwiQdl.dll	1.6.0.142

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SwiGobi.dll	1.6.0.142
SimpleCM.exe	1.6.0.142
SMSSample.exe	1.6.0.142
VoiceDialer.exe	1.6.0.142
PinLock.exe	1.6.0.142

2.12.4 Supported Configurations

Windows CE6.0 (ARMV4I)
Windows CE6.0 (x86)
Windows Mobile 6.5 (ARMV4I)

2.13 V1.5

2.13.1 Summary

This release adds a new QMI indication and a fix to an API.

- [BZ48314]
 - New UIM QMI commands for RUIIM access
 - QMI_UIM_GET_CARD_STATUS_MSG
 - QMI_UIM_VERIFY_PIN_MSG
 - QMI_UIM_UNBLOCK_PIN_MSG
 - QMI_UIM_SET_PIN_PROTECTION_MSG
 - QMI_UIM_CHANGE_PIN_MSG
 - New PINLOCK.exe sample application, targeting Windows Mobile.

2.13.2 Known Issues

- None

2.13.3 Release Components

GobiApi.dll	1.5.0.123
SwiQdl.dll	1.5.0.123
SwiGobi.dll	1.5.0.123
SimpleCM.exe	1.5.0.123
SMSSample.exe	1.5.0.123
VoiceDialer.exe	1.5.0.123

2.13.4 Supported Configurations

Windows CE6.0 (ARMV4I)
Windows CE6.0 (x86)
Windows Mobile 6.5 (ARMV4I)

2.14 V1.4

2.14.1 Summary

This release adds a new QMI indication and a fix to an API.

- [BZ48228] Sprint OMA QMI commands support. Windows Mobile 6.5 only.

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- [BZ47785] Moving GobiCarrierFWSelect to CEGOBISDK, building by default
- [BZ48230] GobiCarrierFWSelect default image path issue fix

2.14.2 Known Issues

- None

2.14.3 Release Components

GobiApi.dll	1.4.0.123
SwiQdl.dll	1.4.0.123
SwiGobi.dll	1.4.0.123
SimpleCM.exe	1.4.0.123
SMSSample.exe	1.4.0.123
VoiceDialer.exe	1.4.0.123

2.14.4 Supported Configurations

Windows CE6.0 (ARMV4I)
Windows CE6.0 (x86)
Windows Mobile 6.5 (ARMV4I)

2.15 V1.3

2.15.1 Summary

This release adds a new QMI indication and a fix to an API.

- [BZ48054] QMI_NAS_SYSTEM_SELECTION_PREFERENCE_IND to indicate E911 mode
- [BZ48148] QmiNasGetServingSystemResp to use BYTE array instead of ULONG array

2.15.2 Known Issues

- None

2.15.3 Release Components

GobiApi.dll	1.3.0.115
SwiQdl.dll	1.3.0.115
SwiGobi.dll	1.3.0.115
SimpleCM.exe	1.3.0.115
SMSSample.exe	1.3.0.115
VoiceDialer.exe	1.3.0.115

2.15.4 Supported Configurations

Windows CE6.0 (ARMV4I)
Windows CE6.0 (x86)
Windows Mobile 6.5 (ARMV4I)

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2.16 V1.2

2.16.1 Summary

This release adds support for CE6.0 x86 devices and it has been tested on eBox 4300.

The following

- [BZ47739] [GobiApi] QMI_NAS_GET_CELL_LOCATION_INFO
- [BZ48012] AUDIOI_CMD_VAL_PLAY_AUDIO_TONE_REQ
- [BZ48018] Rework on GobiCarrierFWSelect to handle Rogers
- [BZ47768] Upgrading FW may go to the wrong slot

2.16.2 Known Issues

- None

2.16.3 Release Components

GobiApi.dll	1.2.0.100
SwiQdl.dll	1.2.0.100
SwiGobi.dll	1.2.0.100
SimpleCM.exe	1.2.0.100
SMSSample.exe	1.2.0.100
VoiceDialer.exe	1.2.0.100

2.16.4 Supported Configurations

Windows CE6.0 (ARMV4I)
Windows CE6.0 (x86)
Windows Mobile 6.5 (ARMV4I)

2.17 V1.0

2.17.1 Summary

This release adds SL9090 voice call support mainly.

- Passed PTCRB GSM and UMTS with Windows Mobile 6.5
- CDMA and RUIM support

2.17.2 Known Issues

- None

2.17.3 Release Components

GobiApi.dll	SVN 94
SimpleCM.exe	SVN 94
SMSSample.exe	SVN 94
SwiQdl.dll	1.1.4.0
SwiGobi.dll	1.1.100.0

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VoiceDialer.exe	SVN 94
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2.17.4 Supported Configurations

Windows CE6.0 (ARMV4I)
Windows Mobile 6.5 (ARMV4I)

2.17.5 Note

- Please use latest registry files.
- For Windows CE, please set the following registry value to 1
- For Windows Mobile with RIL, please set the following registry value to 0
- [HKEY_CURRENT_USER\Software\Sierra Wireless Inc\USB]
- "UseNdisConfiguration"=dword

2.18 Build 3279

2.18.1 Summary

- [\[BZ32128\]](#) [GobiApi] - SAR service initialization fails in GobiAPI on a WinCE platform

2.18.2 Known Issues

- None

2.18.3 Release Components

GobiApi.dll	2.1.1109.1
SimpleCM.exe	1.1.1106.0
SMSSample.exe	1.1.1106.0
SwiQdl.dll	1.1.4.0
SwiGobi.dll	1.1.100.0

2.18.4 Supported Configurations

Windows CE6.0 (ARMV4I)
Windows Mobile 6.5 (ARMV4I)

2.18.5 Note

- Please use latest registry files.

2.19 Build 3260

2.19.1 Summary

- [\[B32126\]](#) [SwiGobi] - Data abort exception in SwiGobi.dll

Changes in GobiApi.dll and SmsSample between build 3056 and build 3227:

[\[B35660\]](#) [GobiApi] Fixed intermittent CDMADecodeMTTextMsg crash

[\[B24058\]](#) [GobiApi] QCWWAN2kEnumerateDevices now returns a string containing

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VID/PID and interface instance information

[B34452] [GobiApi] DataCapabilitiesCallback now returns an array of ULONG instead of BYTE

[B32709] [GobiApi] Added GetDNSIPv6Settings and SetDNSIPv6Settings

[B32708] [GobiApi] Added GetSMSProtocol and SetSMSProtocol

[B28742] [GobiApi] Added SetDefaultIPv6Profile

[B28741] [GobiApi] Added GetDefaultIPv6Profile

[B34429] [GobiApi] Added SwiGetSignalStrengthInfo and SwiSetSignalStrengthInfoCallback

[B35069] [GobiApi] GetImageStore now works with older driver installer builds

[B35457] [GobiApi] Logging mechanism improvement to avoid potential deadlock during DLL initialization.

[B33470] [GobiApi] Fixed 64 bit GetImageStore issue

[B33815] [GobiApi] Replaced API header QCWWANCMAPI2K.h with

GobiConnectionMgmtAPI.h. This is the same header used in Qualcomm's Gobi Anywhere SDK. Sierra specific APIs defined in SwiWwanCmApi.h. No functional or interface definition changes.

[B33470] [GobiApi] Fixed issue which caused GetImageStore path to fail

[B31904] [GobiApi] Added callbacks for ECIO, SINR and RSRQ indications

[B33228] [GobiApi] Added SAR APIs

[B34902] [SmsSample] Specify SMS protocol

[B30177] [SmsSample] List of messages is now displayed when application launches.

2.19.2 Known Issues

- None

2.19.3 Release Components

GobiApi.dll	2.1.1109.0
SimpleCM.exe	1.1.1106.0
SMSSample.exe	1.1.1106.0
SwiQdl.dll	1.1.4.0
SwiGobi.dll	1.1.100.0

2.19.4 Supported Configurations

Windows CE6.0 (ARMV4I)

2.20 Build 3056

2.20.1 Summary

- [B31477][GobiApi] Fixed rare crash on shutdown
- [B32880][GobiApi] Added SetSMSRoutes/GetSMSRoutes
- [B32038] Optimized QMI communication with the modem

2.20.2 Known Issues

- None

2.20.3 Release Components

GobiApi.dll	1.2.1105.2
SimpleCM.exe	1.0.1104.0

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SMSSample.exe	1.0.1105.0
SwiQdl.dll	1.1.3.0
SwiGobi.dll	1.1.8.0

2.20.4 Supported Configurations

Windows Mobile 6 Professional SDK (ARMV4I)
Windows CE6.0 (ARMV4I and x86)
Windows CE5.0 (ARMV4I and x86)

2.21 Build 3014

2.21.1 Summary

- [\[B31354\]](#)[GobiApi] SWIOMA QMI service is not created until functionality invoked
- [\[B31712\]](#)[GobiApi] Added SwiGetCurrentDataBearerTechnology
- [\[B31215\]](#)[GobiApi] Fixed rare crash on driver unload
- [\[B31602\]](#)[GobiApi] StopDataSession timeout increased from 8 seconds to 60 seconds
- [\[B30883\]](#)[GobiApi] GetDefaultProfile no longer returns error code 17 if firmware fails to return the secondary DNS address
- [\[B31154\]](#)[GobiApi] SWI OMA-DM Revision 1.1 support
- [\[B31364\]](#)[SimpleCM] OnDestory now checks correct callback handle pointer
- [\[B31789\]](#)[SwiGobi] Reset pipes during system resume
- [\[B31023\]](#)[SwiGobi] Fixed rare issue which caused QMI messages to be dropped on resume
- [\[B30644\]](#)[SwiGobi] Stop NMEA tracking when platform goes to suspend
- [\[B31954\]](#)[SwiGobi] Improved behavior when resuming from suspend state

2.21.2 Known Issues

- None

2.21.3 Release Components

GobiApi.dll	1.2.1104.2
SimpleCM.exe	1.0.1104.0
SMSSample.exe	1.0.1102.0
SwiQdl.dll (WinCE)	1.1.3.0
SwiGobi.dll (WinCE)	1.1.7.0

2.21.4 Supported Configurations

Windows Mobile 6 Professional SDK (ARMV4I)
Windows CE6.0 (ARMV4I and x86)
Windows CE5.0 (ARMV4I and x86)

2.22 Build 2975

2.22.1 Summary

- [GobiApi] Updated GetRoutes/SetRoutes documentation

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- [GobiApi] Increased SetEnhancedAutoconnect timeout from 8 seconds (default) to 300 seconds to be in line with QC DLL.
- [B28743][GobiApi] Added StartDataSessionLTE
- [B28744][GobiApi] Added GetIPAddressLTE
- [B30572][GobiApi] Fixed rare crash when resuming from hibernate/suspend state
- [B30277][GobiApi] Fixed rare crash after unloading DLL when using MC7750
- [B30644][SwiGobi] Start and stop GPS tracking during platform suspend/resume

2.22.2 Known Issues

- [B22294][SwiGobi] The driver is capable of 1.8mbits/s upload speed. Upload performance may be degraded if the send buffer associated with the socket is too small. Client applications should specify the buffer size when creating a socket. The recommended send buffer size is 32KB.

2.22.3 Release Components

GobiApi.dll	1.2.1103.4
SimpleCM.exe	1.0.0.8
SMSSample.exe	1.0.1102.0
SwiQdl.dll	1.1.3.0
SwiGobi.dll	1.1.6.0

2.22.4 Supported Configurations

Windows Mobile 6 Professional SDK (ARMV4I)
Windows CE6.0 (ARMV4I and x86)
Windows CE5.0 (ARMV4I and x86)

2.23 Build 2931

2.23.1 Summary

- [B29062][GobiApi] CDMADecodeMTTTextMsg correctly decodes Mobile Originated (draft) messages saved on the modem
- [B29515][SwiGobi] Optimizations when resuming from D2 state
- [B29517][SwiGobi] Defer QMI data retrieval until system fully enter D0 state

2.23.2 Known Issues

- [CE][B22294][SwiGobi] The driver is capable of 1.8mbits/s upload speed. Upload performance may be degraded if the send buffer associated with the socket is too small. Client applications should specify the buffer size when creating a socket. The recommended send buffer size is 32KB.

2.23.3 Release Components

GobiApi.dll	1.2.1102.1
SimpleCM.exe	1.0.0.8
SMSSample.exe	1.0.1102.0
SwiQdl.dll	1.1.2.0
SwiGobi.dll	1.1.5.0

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2.23.4 Supported Configurations

Windows Mobile 6 Professional SDK (ARMV4I)
Windows CE6.0 (ARMV4I and x86)
Windows CE5.0 (ARMV4I and x86)

2.24 Build 2905

2.24.1 Summary

- [GobiApi] Logging updates
- [B28580][SwiGobi] Fix memory leak when releasing handle to driver
- [B29212][SwiGobi] Selective suspend functionality restored

2.24.2 Known Issues

- [B22294][SwiGobi] The driver is capable of 1.8mbits/s upload speed. Upload performance may be degraded if the send buffer associated with the socket is too small. Client applications should specify the buffer size when creating a socket. The recommended send buffer size is 32KB.
- [B29062][GobiApi] CDMADecodeMTTextMsg fails to decode DRAFT messages saved on the modem

2.24.3 Release Components

GobiApi.dll	1.2.8.2
SimpleCM.exe	1.0.0.8
SMSSample.exe	1.0.2.1
SwiQdl.dll	1.1.2.0
SwiGobi.dll	1.1.4.0

2.24.4 Supported Configurations

Windows Mobile 6 Professional SDK (ARMV4I)
Windows CE6.0 (ARMV4I and x86)
Windows CE5.0 (ARMV4I and x86)

2.25 Build 2874

2.25.1 Summary

- [B28292] Update End User License Agreement
- [B26810][SwiQdl] Fix issue which prevented Gobi 3000 firmware from being downloaded on some platforms
- [B26810][SwiGobi] Fix issue which cause missing incoming packets during D2 state on some platforms.
- [B27751][GobiApi] Add method to restrict download of firmware images (see integration guide for more info)
- [B27904][GobiApi] Add SetEnhancedAutoconnect and GetEnhancedAutoconnect
- [B27905][GobiApi] Add SetDNSSettings and GetDNSSettings
- [B28169][GobiApi] Add GetBARMode and SetBARMode

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- [B28385][GobiApi] GetFirmwareInfo correctly reports technology for Gobi 3000 images
- [B27608][GobiApi] Initialize PLMN callback pointer to NULL during initialization
- [B26616][GobiApi] Allow blank APN when calling SetDefaultProfile
- [B27350][GobiApi] Restore UpgradeFirmware2K support for Gobi 2000
- [B27439][GobiApi] UpgradeFirmware2K no longer force firmware download
- [B27565][GobiApi] Correctly report Rx/Tx byte counters
- [GobiApi] Increased PerformNetworkScan and PerformNetworkRATScan timeout from 60 seconds to 120 seconds.
- [B25266][SimpleCM] Disable Connect button if data session initiated outside of SimpleCM

2.25.2 Known Issues

- [CE][B22294] The driver is capable of 1.8mbits/s upload speed. Upload performance may be degraded if the send buffer associated with the socket is too small. Client applications should specify the buffer size when creating a socket. The recommended send buffer size is 32KB.

2.25.3 Release Components

GobiApi.dll	1.2.8.1
SimpleCM.exe	1.0.0.8
SMSSample.exe	1.0.2.0
SwiQdl.dll	1.1.2.0
SwiGobi.dll	1.1.3.1

2.25.4 Supported Configurations

Windows Mobile 6 Professional SDK (ARMV4I)
Windows CE6.0 (ARMV4I and x86)
Windows CE5.0 (ARMV4I and x86)

2.26 Build 2821

2.26.1 Summary

- Added Gobi 3000 integration guide (DraftA)
- Added Gobi 3000 connection management API documentation
- [B26269][SwiQdl] Added support for Gobi3000
- [B26106][GobiApi] Updated UpgradeFirmware2K to support Gobi3000
- [B26918][GobiApi] Added support for CancelDataSession
- [B25085][GobiApi] Added support for QCWWANCancel
- [B27209][GobiApi] Updated GetImageInfo to support Gobi3000
- [B26443][GobiApi] Added the following NAS APIs:
 - GetPLMNModeCallback
 - GetPLMNMode
 - GetPLMNName
 - PerformNetworkRATScan
- [B26573][GobiApi] Added SwiGetServingNetwork function to return SID/NID information
- [B26691][GobiApi] Fixed TLS memory leak issue

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- [B26991][SMSSample] Increased address buffer size from 14 bytes to 20 bytes to address "Unspecified Error" warning message when sender address is longer than 14 bytes
- [GobiApi] Redefined internal error code from 898 to 2 to be consistent with Qualcomm definitions

2.26.2 Known Issues

- [B22294] The driver is capable of 1.8mbits/s upload speed. Upload performance may be degraded if the send buffer associated with the socket is too small. Client applications should specify the buffer size when creating a socket. The recommended send buffer size is 32KB.

2.26.3 Release Components

GobiApi.dll	1.2.5.1
SimpleCM.exe	1.0.0.6
SMSSample.exe	1.0.2.0
SwiQdl.dll	1.1.1.0
SwiGobi.dll	1.1.2.0

2.26.4 Supported Configurations

- Same as previous build unless stated otherwise

2.27 Build 2795

2.27.1 Summary

- [B25645][SwiGobi] Fixed handle leak when device is detached
- [B25690][GobiApi] WCDMA Decode MTTTextMsg will now return the correct segment information for non-concatenated messages
- [B25864][GobiApi] Add support for GetImagePreference and SetImagePreference
- [SwiQdl] Updated folder structure
- [SwiGobi] Updated folder structure
- [GobiApi] Updated folder structure
- [SimpleCM] Updated folder structure
- [SMSSample] Updated folder structure

2.27.2 Known Issues

- [B22294] The driver is capable of 1.8mbits/s upload speed. Upload performance may be degraded if the send buffer associated with the socket is too small. Client applications should specify the buffer size when creating a socket. The recommended send buffer size is 32KB.

2.27.3 Release Components

GobiApi.dll	1.2.3.1
SimpleCM.exe	1.0.0.6
SMSSample.exe	1.0.1.3
SwiQdl.dll	1.0.8.0
SwiGobi.dll	1.1.2.0

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2.27.4 Supported Configurations

- Same as previous build unless stated otherwise

2.28 Build 2760

2.28.1 Summary

- [B23971][GobiApi] Added encoding/decoding SMS helper functions. WCDMA 7bit, 8bit, NLE, and UCS2 encoding alphabets are supported. WCDMA concatenated messages are supported. Basic CDMA encoding/decoding is supported.
- [B23972][SmsSample] Included sample application to demonstrate how to use Sierra Wireless SMS helper functions in conjunction with Qualcomm Gobi APIs.
- [B25220] Added support for the following VID/PIDs:
 - 0x1199, 0x9010
 - 0x1199, 0x9011

2.28.2 Known Issues

- [B22294] The driver is capable of 1.8mbits/s upload speed. Upload performance may be degraded if the send buffer associated with the socket is too small. Client applications should specify the buffer size when creating a socket. The recommended send buffer size is 32KB.

2.28.3 Release Components

SwiQdl.dll	1.0.7.0
SwiGobi.dll	1.1.0.0
GobiApi.dll	1.2.2.4
SimpleCM.exe	1.0.0.5
SMSSample.exe	1.0.1.2

2.28.4 Supported Configurations

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2.29 Build 2711

2.29.1 Summary

- [B24195][SimpleCM] Synchronize with modem data connection state during initialization
- [B24453][SwiQdl] Enhanced driver unload sequences to avoid potential crashes in an uncommon scenario.
- [B24454][SwiGobi] Validate the newly created control service object to avoid potential crashes in a rare scenario.
- [B24457][SwiGobi] Disallow outgoing data requests when device is suspended.

2.29.2 Known Issues

- [B22294] The driver is capable of 1.8mbits/s upload speed. Upload performance may be degraded if the send buffer associated with the socket is too small. Client applications should specify the buffer size when creating a socket. The recommended send buffer size is 32KB.

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2.29.3 Release Components

Drivers	Build2688
GobiApi.dll	1.2.0.5
SwiQdl.dll	1.0.6.0
SwiGobi.dll	1.0.13.0
SimpleCM.exe	1.0.0.4
WinCE Software Integration Guide	1.0

2.29.4 Supported Configurations

- Same as previous build unless stated otherwise

2.30 Build 2693

2.30.1 Summary

- [B24218][SwiGobi] Enabled power management on virtual serial ports.
- [B24213][GobiApi] Using ActivateManual to update the PRL no longer fails with error code 1075
- [B23757][GobiApi] Re-introduced use of module definition (.def) file. All functions now have ordinals explicitly defined. Function ordinals have changed from previous build; therefore, applications should rebuild with the latest GobiApi.lib file. Currently defined function ordinals will not change in the future.

2.30.2 Known Issues

- [B22294] The driver is capable of 1.8mbits/s upload speed. Upload performance may be degraded if the send buffer associated with the socket is too small. Client applications should specify the buffer size when creating a socket. The recommended send buffer size is 32KB.

2.30.3 Release Components

GobiApi.dll	1.2.0.5
SwiQdl.dll	1.0.5.2
SwiGobi.dll	1.0.12.0
SimpleCM.exe	1.0.0.3
Software Integration Guide	1.0

2.30.4 Supported Configurations

- Same as previous build unless stated otherwise

2.31 Build 2668

2.31.1 Summary

- [B23573][SwiGobi][SwiQdl] Fixed data aborts when modem is powered off during early stages of the firmware download process.
- [B23375][SwiQdl] "unrecognized device" popup when SwiQdl fails to download the firmware is re-enabled by default. Behavior is now configurable through the registry:

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- [HKEY_LOCAL_MACHINE\Software\Sierra Wireless\QDL] "FailurePrompt"=dword:0 (to disable the pop up).
- [B23939][GobiApi] GetIPConfiguration will return success even if the secondary DNS is not provided by the modem
- [B23757][GobiApi] Removed use of module definition (.def) file as it was redundant since GobiApi already exported functions via __declspec(dllexport). Function ordinals are likely to have changed from previous build; therefore, applications should rebuild with the latest GobiApi.lib file.

2.31.2 Known Issues

- [B22294] The driver is capable of 1.8mbits/s upload speed. Upload performance may be degraded if the send buffer associated with the socket is too small. Client applications should specify the buffer size when creating a socket. The recommended send buffer size is 32KB.

2.31.3 Release Components

GobiApi.dll	1.1.1.1
SwiQdl.dll	1.0.5.2
SwiGobi.dll	1.0.11.0
SimpleCM.exe	1.0.0.2
Software Integration Guide	1.0

2.31.4 Supported Configurations

- Same as previous build unless stated otherwise

2.32 Build 2637

2.32.1 Summary

- [B22970][GobiApi] ActivateManual will now correctly program the MIN
- [B23268][SwiQdl] Some host controllers fail the transfer request if the data block size is too big. Firmware download block size reduced from 1MB to 64KB.
- [B23375][SwiQdl] Suppress the "unrecognized device" popup when firmware download fails.
- [B23376][SwiQdl] Defined a named event ("SWI_modem_needs_shutdown") which is signalled when the modem needs to be powered off by the platform. This event is signalled by SwiQdl when the firmware download process fails. The event is reset when SwiQdl is unloaded.
- [B23186][GobiApi] "RaiseException" messages are no longer generated on the platform serial debug port when the modem returns a QMI error. However, the following design errors will still result in a "RaiseException" error:
 - Corrupt or invalid QMI packet received from the modem/driver
 - Memory allocation error
 - Invoking an API function from within an API callback thread
 - Passing invalid arguments to an API function

2.32.2 Known Issues

- [B22294] The driver is capable of 1.8mbits/s upload speed. Upload performance may be degraded if the send buffer associated with the socket is too small. Client applications

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should specify the buffer size when creating a socket. The recommended send buffer size is 32KB.

2.32.3 Release Components

GobiApi.dll	1.1.0.1
SwiQdl.dll	1.0.4.0
SwiGobi.dll	1.0.10.0
SimpleCM.exe	1.0.0.2
Software Integration Guide	1.0

2.32.4 Supported Configurations

- Same as previous build unless stated otherwise

2.33 Build 2626

2.33.1 Summary

- [B23192][SwiQdl] Using virtual memory instead of physical memory to avoid memory allocation failure on some WinCE platforms.
- [B23220][SwiGobi] Ensure no driver threads run at priority 100 or less.
- [B23171][GobiApi] Failure reason code is now correctly returned in StartDataSession and SetAutoConnect. Bug was originally introduced as part of B23082 changes (see Build 2611 release notes).

2.33.2 Known Issues

- [B22294] The driver is capable of 1.8mbits/s upload speed. Upload performance may be degraded if the send buffer associated with the socket is too small. Client applications should specify the buffer size when creating a socket.

2.33.3 Release Components

GobiApi.dll	1.0.6.0
SwiQdl.dll	1.0.3.0
SwiGobi.dll	1.0.9.0
SimpleCM.exe	1.0.0.2
Software Integration Guide	1.0

2.33.4 Supported Configurations

- Same as previous build unless stated otherwise

2.34 Build 2611

2.34.1 Summary

- [B23095][SwiQdl] Added retry mechanism when bad CRC or invalid length responses are received from the modem. This addresses a rare condition which caused the QDL process to terminate mid-download, leaving the modem stuck in QDL mode.

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- [B22881][SwiGobi] Fixed issue which occasionally caused QCWWANDisconnect to take more than a few seconds to complete.
- [B23082][GobiApi] Failure reason code is now correctly returned in StartDataSession2.

2.34.2 Known Issues

- [B22294] Upload performance is slower than expected

2.34.3 Release Components

GobiApi.dll	1.0.5.0
SwiQdl.dll	1.0.2.1
SwiGobi.dll	1.0.8.0
SimpleCM.exe	1.0.0.2
Software Integration Guide	1.0

2.34.4 Supported Configurations

Windows Mobile 6 Professional SDK (ARMV4I)
Sierra Wireless Standard SDK 6.0 (ARMV4I)
Sierra Wireless Standard SDK 6.0 (x86)
Standard SDK 5.0 (ARMV4I)
Standard SDK 5.0 (x86)

2.35 Build 2602

2.35.1 Summary

- [B22635][SwiGobi] NDIS data port is now a built-in static port. This allows SwiGobi to gracefully handle data packets from RIL even after the data channel is freed due to modem unavailability.

2.35.2 Known Issues

- None

2.35.3 Release Components

GobiApi.dll	1.0.4.1
SwiQdl.dll	1.0.1.3
SwiGobi.dll	1.0.7.0
SimpleCM.exe	1.0.0.2
Software Integration Guide	Draft C

2.35.4 Supported Configurations

Windows Mobile 6 Professional SDK (ARMV4I)
Sierra Wireless Standard SDK 6.0 (ARMV4I)
Sierra Wireless Standard SDK 6.0 (x86)
Standard SDK 5.0 (ARMV4I)
Standard SDK 5.0 (x86)

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2.36 Build 2588

2.36.1 Summary

- [B21172][SwiGobi] Added support for RIL packet driver model. Data throughput performance is on par with NDIS miniport solution. Note that TcpWindowSize must be set to 128k to achieve optimal performance for both RIL packet driver model and NDIS mini-port solutions. See Software Integration Guide for details.
- [B22316][SwiGobi] Added device removal handling to prevent rare crash when there are outstanding synchronous QMI transactions.
- [B22585][SwiGobi] Added handling to prevent rare crash when there are lagged responses lingering in the system when device is powered off.
- [B22578][SwiGobi] Driver will no longer suspend the USB bus when there is outstanding QMI traffic. Previous behaviour could potentially cause QMI requests to fail when selective suspend is enabled.
- [B22404][SwiGobi] Added support for NMEA data over NMEA port. Previously, NMEA data was only supported over QMI (SetNMEACallback).
- [B22360][GobiApi] Fixed potential deadlock which may occur when calling QCWWANDisconnect just as the modem is reset or powered off.
- [B22552][GobiApi] PIN2/PUK2 status and retry information is now correctly returned by UIMGetPinStatus
- [B22602][GobiApi] Calling SetOMADMStateCallback and SetOMADMAAlertCallback with a NULL parameter to deregister callback will no longer result in error code 1017.
- [GobiApi] If an API call is made before GobiApi is fully initialized, error code 12 (error sending QMI request) is now returned. Previously error code 14 (timeout while sending QMI request) was returned.
- [Software Integration Guide] Updated threading model limitations and TcpWindowSize recommendation.

2.36.2 Known Issues

- None

2.36.3 Release Components

GobiApi.dll	1.0.4.1
SwiQdl.dll	1.0.1.3
SwiGobi.dll	1.0.5.1
SimpleCM.exe	1.0.0.2
Software Integration Guide	Draft C

2.36.4 Supported Configurations

Windows Mobile 6 Professional SDK (ARMV4I)
Sierra Wireless Standard SDK 6.0 (ARMV4I)
Sierra Wireless Standard SDK 6.0 (x86)
Standard SDK 5.0 (ARMV4I)
Standard SDK 5.0 (x86)

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2.37 Build 2583

2.37.1 Summary

- [B22443][SwiGobi] Increased the timeout value for the very first QMI message after the modem powers up.

2.37.2 Known Issues

- [B21172][SwiGobi] Data throughput performance is very slow on some WM platforms

2.37.3 Release Components

GobiApi.dll	1.0.3.2
SwiQdl.dll	1.0.1.3
SwiGobi.dll	1.0.4.0
SimpleCM.exe	1.0.0.2
Software Integration Guide	Draft B

2.37.4 Supported Configurations

Windows Mobile 6 Professional SDK (ARMV4I)
Sierra Wireless Standard SDK 6.0 (ARMV4I)
Sierra Wireless Standard SDK 6.0 (x86)
Standard SDK 5.0 (ARMV4I)
Standard SDK 5.0 (x86)

2.38 Build 2571

2.38.1 Summary

- [B20356][SwiGobi] Added protection against memory access violations during driver unloads. This fix addressed driver crashes when switching carrier images.
- [B21290][SwiGobi] Internet browsing on NDIS based WM platforms is now functional.
- [B21954][GobiApi] Fixed rare issue where QMI service handles were not freed. The memory leak resulted in the modem running out of client IDs which caused QCWWANConnect to fail.
- [B22243][GobiApi] Handles to the driver are released first before notifying applications of device removal.
- [B22270][GobiApi] Clean up resources on DLL unload if user forget to invoke QCWWANDisconnect. It is strongly recommended that users invoke QCWWANDisconnect to gracefully terminate communication with the modem. APIs should not be invoked after calling QCWWANDisconnect.
- [B22166][GobiApi] ActivateManual API will now reset the modem as documented.

2.38.2 Known Issues

- [B21172][SwiGobi] Throughput performance is very slow on some WM platforms

2.38.3 Release Components

GobiApi.dll	1.0.3.2
SwiQdl.dll	1.0.1.3

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SwiGobi.dll	1.0.3.0
SimpleCM.exe	1.0.0.2
Software Integration Guide	Draft B

2.38.4 Supported Configurations

Windows Mobile 6 Professional SDK (ARMV4I)
Sierra Wireless Standard SDK 6.0 (ARMV4I)
Sierra Wireless Standard SDK 6.0 (x86)
Standard SDK 5.0 (ARMV4I)
Standard SDK 5.0 (x86)

2.39 Build 2543

2.39.1 Summary

- [B21628][SwiQdl] Carrier specific UMTS firmware images are now downloaded from individual carrier folders first before checking the generic UMTS folder.
- [B21730][SwiGobi] NDIS data connections can now be made with MR firmware images.
- [B22075][SwiGobi] QMI messages received from the modem after GobiApi has already closed handles to the driver no longer cause an exception.
- [B20356][SwiGobi] Handle unexpected device removal during driver initialization.
- [B22077][GobiApi] Allow time for application threads to exit API function calls before shutting down GobiApi.
- [B21518][GobiApi] InitiateDomainAttach no longer cause an exception if invoked before initialization is complete.

2.39.2 Known Issues

- [B20806][SwiGobi] Unable to browse internet on some WM platforms
- [B21172][SwiGobi] NDIS throughput performance is very slow on some WM platforms

2.39.3 Release Components

GobiApi.dll	1.0.2.1
SwiQdl.dll	1.0.1.3
SwiGobi.dll	1.0.1.3
SimpleCM.exe	1.0.0.2
Software Integration Guide	Draft B

2.39.4 Supported Configurations

Windows Mobile 6 Professional SDK (ARMV4I)
Sierra Wireless Standard SDK 6.0 (ARMV4I)
Sierra Wireless Standard SDK 6.0 (x86)
Standard SDK 5.0 (ARMV4I)
Standard SDK 5.0 (x86)

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2.40 Build 2498

2.40.1 Summary

- [B21575][SwiQdl] Fixed issue which prevented download of Verizon MR firmware.
- [B21352][SwiQdl] Gracefully handle driver unload process when the download process doesn't finish properly. In rare case, this allows the driver to unload more quickly.
- [B21364][SwiQdl] Added download retry mechanism when firmware download fails. The maximum retries is configurable through registry (see Software Integration Guide).
- [B21238][SwiQdl] Changed default firmware location to be consistent with Qualcomm notebook implementation.
- [B21384][SwiGobi] Enforce the idle timeout value for selective suspend to be a minimum of 3 seconds.
- [B20063][SwiGobi] Fixed issue which occasionally caused the first QMI message sent after returning from selective suspend to timeout.
- [B21474][SwiGobi] Release handles to named events on shutdown
- [B21720][GobiApi] Disable signal strength callback with SetSignalStrengthCallback no longer fails with error code 1001
- [B21440][GobiApi] API calls invoked from the context of an API callback thread are rejected with error code 899 (see Software Integration Guide).
- [B21262][GobiApi] UpgradeFirmware2kw will now set the modem power state to OFFLINE and then RESET to kick off firmware download.
- [B20356][GobiApi] Added safeguards to prevent driver access across a modem reset cycle. Improved API shutdown process when calling QCWWANDisconnect.
- [B21428][GobiApi] Correctly parse and notify NMEA data
- SetNMEACallback is now deprecated; only support SetNMEAPIusCallback.

2.40.2 Known Issues

- [B20806][SwiGobi] Unable to browse internet on some WM platforms
- [B21172][SwiGobi] NDIS throughput performance is very slow on WM platforms
- [B21730][SwiGobi] Unable to make data connections with MR firmware images. This issue does not occur with firmware images prior to 1.1.130.
- [B21628][SwiQdl] Carrier specific UMTS firmware images are not downloaded from individual carrier folders. Instead, UMTS firmware files are always downloaded from the generic UMTS folder.

2.40.3 Release Components

GobiApi.dll	1.0.1.2
SwiQdl.dll	1.0.1.2
SwiGobi.dll	1.0.1.1
SimpleCM.exe	1.0.0.2
Software Integration Guide	Draft B

2.40.4 Supported Configurations

Windows Mobile 6 Professional SDK (ARMV4I)
Sierra Wireless Standard SDK 6.0 (ARMV4I)
Sierra Wireless Standard SDK 6.0 (x86)
eBox4300 SDK 6.0 (x86)
Standard SDK 5.0 (ARMV4I)
Standard SDK 5.0 (x86)

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Win32

2.41 Build 2488

2.41.1 Summary

- [B21151][SwiGobi] Ensure BulkOutMiniportThread exist gracefully when adapter isn't initialized properly. In rare cases, this will allow the driver to unload more quickly.
- [B19931][GobiApi] Added support for CATSendEnvelopeCommand and CATSendTerminalResponse
- [B20188][GobiApi] Added support for QMI_WMS_GET_ROUTE and QMI_WMS_SET_ROUTE
- [SwiQdl] Changed firmware default location to be consistent with Qualcomm
- [GobiApi] Added internal support for getting gateway, subnet mask, DNS.
- [SwiGobi] Added support for PDP packet driver over COM port.

2.41.2 Known Issues

- [B20806][SwiGobi] Unable to browse internet some WM platforms
- [B20063][SwiGobi] An occasional timeout is observed for the first QMI message sent after returning from selective suspend.
- [B21172][SwiGobi] NDIS throughput performance is very slow on WM platforms

2.41.3 Release Components

GobiApi.dll	1.0.0.1
SwiQdl.dll	1.0.0.1
SwiGobi.dll	1.0.0.0
SimpleCM.exe	1.0.0.2
Software Integration Guide	Draft A

2.41.4 Supported Configurations

Windows Mobile 6 Professional SDK (ARMV4I)
Sierra Wireless Standard SDK 6.0 (ARMV4I)
Sierra Wireless Standard SDK 6.0 (x86)
eBox4300 SDK 6.0 (x86)
Standard SDK 5.0 (ARMV4I)
Standard SDK 5.0 (x86)
Win32

2.42 Build 2451

2.42.1 Summary

- [B20264][SwiGobi] Do not invoke local WDS or DMS services unless using NDIS. Previously, Data Abort exceptions were observed when attempting connection via PPP when NDIS is disabled.
- [B20357][GobiApi] OMADMSetsProvisioningFeature no longer affects PRLUpdateFeature and vice versa

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- [B20109][GobiApi] Added support for GetMobileIPProfile2
- [B20541][GobiApi] No longer throw benign exceptions when device unavailable
- [B20724] Included first draft of Software Integration Guide

2.42.2 Known Issues

- [B20806][SwiGobi] Unable to browse internet on WM platforms
- [B20063][SwiGobi] An occasional timeout is observed for the first QMI message sent after returning from selective suspend.
- [B19931][GobiApi] Missing support for CAT functions

2.42.3 Release Components

GobiApi.dll	1.0.0.0
SwiQdl.dll	1.0.0.0
SwiGobi.dll	0.1.0.5
SimpleCM.exe	1.0.0.2
Software Integration Guide	Draft A

2.42.4 Supported Configurations

Windows Mobile 6 Professional SDK (ARMV4I)
Sierra Wireless Standard SDK 6.0 (ARMV4I)
Sierra Wireless Standard SDK 6.0 (x86)
eBox4300 SDK 6.0 (x86)
Standard SDK 5.0 (ARMV4I)
Standard SDK 5.0 (x86)
Win32

2.43 Build 2400

2.43.1 Release Components

GobiApi.dll	0.4.1.3
SwiQdl.dll	0.0.0.7
SwiGobi.dll	0.1.0.4
SimpleCM.exe	1.0.0.2

2.43.2 Supported Configurations

Windows Mobile 6 Professional SDK (ARMV4I)
Sierra Wireless Standard SDK 6.0 (ARMV4I)
Sierra Wireless Standard SDK 6.0 (x86)
eBox4300 SDK 6.0 (x86)
Standard SDK 5.0 (ARMV4I)
Standard SDK 5.0 (x86)
Win32

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2.43.3 Summary

- [B20042][SwiGobi][SwiQdl][GobiApi] Added support for Sierra Wireless Standard WinCE 6.0 SDK build configuration
- [B19491][SwiGobi] Added support for media sense and various OIDs. Task bar icon connection state is now correctly updated.
- [B19335][SwiGobi] Fixed crash when collecting firmware logs from DM port
- [B20068][GobiApi] Memory blocks for QMI transactions are now allocated correctly for threads created before loading GobiApi DLL.
- [B19816][GobiApi] Fixed crash when calling GetRFInfo
- [B19016][GobiApi] Added support for PDS commands
- [B19884][GobiApi] Added support for SetNewSMSCallback
- [B19885][GobiApi] Added support for GetANAAAAuthenticationStatus
- [B19946][GobiApi] Added support for GetSMSWake and SetSMSWake
- [B19883][GobiApi] Added support for SetRFInfoCallback and SetLUReject
- [B19898][GobiApi] Added support for OMADMSetProvisioningFeature
- [B19899][GobiApi] Added support for OMADMSetPRLUpdateFeature
- [B19818][GobiApi] Added support for SetOMADMStatecallback
- [B20009][GobiApi] Added support for SwiGoDormant
- [B20014][GobiApi] ActivateAutomatic now correctly accepts an activation code
- [B20053][GobiApi] GetFirmwareRevisions returns correct error code when called with NULL parameters
- [B20074][GobiApi] GetHardwareRevisions and GetVoiceNumber returns correct error code when called with NULL parameters
- [B19897][GobiApi] GetMobileIpProfile no longer returns error code 16
- [B19866][GobiApi] GetVoiceNumber will now correctly report the MIN
- [B20063][GobiApi] Default API timeout increased from 2 seconds to 8 seconds
- [B20073][GobiApi] GpsCapability is now correctly returned by GetFirmwareInfo and GetImageInfoW
- [SimpleCm] Removed default APN, username, password values

2.43.4 Known Issues

- [B20109][GobiApi] Missing support for GetMobileIpProfile2
- [B19931][GobiApi] Missing support for CAT functions
- [B20357][GobiApi] Calling OMADMSetProvisioningFeature will also modify the PRL update feature setting (vice versa).

2.44 Build 2385

2.44.1 Release Components

GobiApi.dll	0.4.0.1
SwiQdl.dll	0.0.0.5
SwiGobi.dll	0.0.0.3
SimpleCM.exe	1.0.0.1

2.44.2 Supported Configurations

Standard SDK 5.0 (ARMV4I)
Standard SDK 5.0 (x86)
Windows Mobile 6 Professional SDK (ARMV4I)

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eBox4300 SDK 6.0 (x86)
Win32

2.44.3 Summary

- [B19547][B19259][SwiGobi] Fixed occasional driver hang during unload. This had been observed when performing firmware updates.
- [B19775][SwiQdl] Added support for firmware images to be stored in a flattened single folder structure.
- [B19810] Relocation (*.rel) files are now generated for Windows Mobile release builds
- [B19782][GobiApi] Added support for ValidateSPC
- [B19783][GobiApi] Added support for ResetToFactoryDefaults
- [B19518][GobiApi] UIMSetControlKeyProtection no longer returns error 11
- [B19174][GobiApi] Increased PerformNetworkScan timeout from 2 seconds to 60 seconds
- [B19509][GobiApi] SetDefaultProfile no longer returns error 1001
- [B19624][GobiApi] API calls are rejected with an appropriate error code if not connected to device
- [B19627][GobiApi] Increased SendSMS timeout from 2 seconds to 30 seconds
- [B19223][GobiApi] SMS related API functions no longer return error 0015.
- [B19654][GobiApi] Removed dated range checking from NAS messages. This had previously caused NAS APIs to return error when used with CDMA firmware images.
- [B19846][GobiApi] GetServingSystem radio interface values are now correctly returned as an array of ULONG

2.44.4 Known Issues

- [B19491][SwiGobi] SWGobiUSBNDIS1 connection state is not updated correctly
- [B19016][GobiApi] PDS functionality incomplete
- [B19850][GobiApi] MobileIP functionality incomplete
- [B19898][GobiApi] OMA-DM functionality incomplete
- [B19866][GobiApi] GetVoiceNumber does not return MIN
- [B19883][GobiApi] Missing support for SetRFInfoCallback
- [B19884][GobiApi] Missing support for SetNewSMSCallback
- [B19885][GobiApi] Missing support for GetANAAAAuthenticationStatus

2.45 Build 2369

Component	Revision
GobiApi.dll	0.3.0.1
SwiQdl.dll	0.0.0.3
SwiGobi.dll	0.0.0.2
SimpleCM	1.0.0.1

Supported Configurations	
Standard SDK 5.0 (ARMV4I)	<input checked="" type="checkbox"/>
Standard SDK 5.0 (x86)	<input checked="" type="checkbox"/>
Windows Mobile 6 Professional SDK (ARMV4I)	<input checked="" type="checkbox"/>
eBox4300 SDK 6.0 (x86)	<input checked="" type="checkbox"/>
Win32	<input checked="" type="checkbox"/>

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2.45.1 Summary

- GobiTestApp and QCSampleCM are removed from the SDK package because they are internal test tools and not sample applications.
- Added SimpleCM sample application
- MAP files are now included in the SDK
- [SwiGobi] Added NDIS support
- [B19413][SwiGobi] Added support for remote wake up
- [B18945][SwiQdl] Force USB not recognized window pop up if QDL doesn't launch properly.
- [B19437][GobiApi] GetConnectedDeviceId will now return a hardcoded value in Win32 when connected to the device.
- [B19102][GobiApi] Added support for GetFirmwareInfo
- [B19103][GobiApi] Added support for GetImageInfoW
- [B19235][GobiApi] Fixed ARM crash when executing GetServingNetwork
- [B19236][GobiApi] Fixed ARM crash when executing GetServingNetworkCapabilities
- [B19256][GobiApi] Fixed ARM crash when executing GetHomeNetwork
- [B19242][GobiApi] Fixed ARM crash when executing GetNetworkTime
- [B19258][GobiApi] Added support for SetPowerCallback and SetActivationCallback
- [GobiApi] Added support for SetAutoconnect
- [B19359] Fixed QDL crash on ARM based platform.
- [B19179] GetOfflineReason no longer returns error code 0x0011
- [B19441][GobiApi] Fixed exception when calling QCWWANDisconnect after device removal/reset
- [B19457][GobiApi] Implemented SetCDMANetworkParameters, GetCDMANetworkParameters, SetAccolc, and GetAccolc

2.45.2 Known Issues

- [B19174] PerformNetworkScan timeout is only 2 seconds. Typically, this is not enough time to complete a network scan.
- [B19512] GetFirmwareInfo fails on ARM based platforms, works on x86
- NDIS driver currently returning hardcoded data session and statistic information. Hardcoded values represent a connected state.

2.46 Build 2347

Component	Revision
GobiApi.dll	0.2.0.1
SwiQdl.dll	0.0.0.1
SwiGobi.dll	0.0.0.1
GobiTestApp.exe	1.0.1.1
QCSampleCM.exe	1.0.0.2

2.46.1 Summary

- M3 development release
- Added support for Windows Mobile 6 ARMV4I
- Drivers
 - Fixed data abort caused by non-byte operations to byte-by-byte operations for ARM based platforms
- API:

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- [B19098] Changed non-byte operations to byte-by-byte operations for ARM processor even-byte boundary problem.
- [B19043][NAS][GetServingNetworkCapabilities][QMI_NAS_GET_SERVING_SY STEM_RESP] data caps mapping error
- [B19095][GetDataBearerTechnology][QmiWdsGetDataBearerTechnology] data mismatch
- Logging is now initialized/uninitialized when DLL is loaded/unloaded as opposed to when QCWWANConnect/QCWWANDisconnect is called
- GetConnectedDeviceId no longer returns value if not connected to device
- Added SwiSetDeviceRemovalCallback for clients to register for device removal notification (as opposed to polling with GetConnectedDeviceId)
- When modem reset is detected, API will unload handles to drivers immediately. Previously, handles to drivers were only released when QCWWANDisconnect is called.
- StartDataSession and StartDataSession2 will now handle NULL parameters correctly
- Added support for WMS APIs
 - DeleteSMS
 - GetSMSList
 - GetSMS
 - ModifySMSStatus
 - SaveSMS
 - SendSMS
 - GetSMSCAddress
 - SetSMSCAddress
- Added support for WDS APIs
 - SetMobileIP
 - GetMobileIP
 - SetActivateMobileIPProfile
 - GetActiveMobileIPProfile
 - SetMobileIPProfile
 - GetMobileIPProfile
 - SetMobileIPParameters
 - GetMobileIPParameters
 - GetLastMobileIPError
 - GetAutoconnect
- Added support for UpgradeFirmware2kW and GetImageStoreW
- Samples
 - [B19067][GobiApiTest] Fixed memory access violation in roaming callback function

2.46.2 Known Issues

- GetFirmwareInfo is returning hardcoded values
- GetServingNetwork and GetServingNetworkCapabilities generates an exception under ARM platforms.

2.47 Build 2307

Component	Revision
GobiApi.dll	0.1.0.0
SwiQdl.dll	09/09/15
SwiGobi.dll	1.0.0.102

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GobiTestApp.exe	1.0.0.3
QCSampleCM.exe	1.0.0.1

2.47.1 Summary

- Pre-Alpha development release
- Following platforms are supported
 - x86
 - ARMV4I
 - Win32
- Following APIs are supported
 - General
 - QCWWANConnect
 - QCWWANDisconnect
 - QCWWANGetConnectedDeviceID
 - NAS
 - PerformNetworkScan
 - InitiateNetworkRegistration
 - GetServingNetworkCapabilities
 - GetSignalStrengths
 - GetHomeNetwork
 - GetNetworkPreference
 - SetNetworkPreference
 - WDS
 - GetSessionState
 - StartDataSession
 - StartDataSession2
 - StopDataSession
 - GetIPAddress
 - GetConnectionRate
 - GetPacketStatus
 - GetDefaultProfile
 - GetDormancyState
 - GetDataBearerTechnology
 - GetByteTotals
 - GetSessionDuration
 - SetSessionStateCallback
 - SetDataBearerCallback
 - SetDormancyStatusCallback
 - SetMobileIPStatusCallback
 - SetByteTotalsCallback
 - DMS
 - GetDeviceCapabilities (there are known issues)
 - GetManufacturer
 - GetModelID
 - GetFirmwareRevision
 - GetFirmwareRevisions
 - GetVoiceNumber
 - GetIMS
 - GetSerialNumbers
 - GetHardwareRevision
 - SetPower
 - GetPower
 - UIMGetICCID

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- UIMSetPINProtection
- UIMVerifyPIN
- UIMUnblockPIN
- UIMChangePIN
- UIMGetPINStatus

2.47.2 Known Issues

- On a modem reset/removal, API fails to release handles to the driver which prevents the drivers from unloading correctly.