



**Linux QMI SDK 04.00.17**

## **Customer Release Note**



**SIERRA**  
WIRELESS®

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2.0	April 11, 2018	Updated document reference number and template
2.1	April 27, 2018	Updated for 04.00.14
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2.4	Oct 26, 2018	Updated for 04.00.17

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# 1. Introduction

This document describes the contents of the Linux QMI SDK 04.00.17 release.

## 1.1. New Features/Enhancements

Table 1. New Features/Enhancements

Feature	Description
<b>SMS decoder improvement</b>	<ul style="list-style-type: none"> <li>Fixed SMS helper function crash during decoding CDMA long SMS contain unknown encoding scheme</li> <li>Improved stability of SMS helper function for Lite and Full SDK</li> </ul>
<b>Add LTE band mask support</b>	<ul style="list-style-type: none"> <li>QMI_NAS_GET_SYSTEM_SELECTION_PREFERENCE support LTE Band Preference Extended</li> </ul>
<b>Add AVMS test case</b>	<ul style="list-style-type: none"> <li>Add AVMS test case to Lite SDK OEM auto test</li> </ul>
<b>Documentation update</b>	<ul style="list-style-type: none"> <li>Update WDS radio technology and service option documentation</li> </ul>
<b>Firmware downloader update</b>	<ul style="list-style-type: none"> <li>Add UART support to Lite Firmware Downloader</li> </ul>
<b>QMAP support</b>	<ul style="list-style-type: none"> <li>Support up to 4 QMAP instance</li> </ul>
<b>Lite SDK API can shows availability of optional TLV</b>	<ul style="list-style-type: none"> <li>Add bit mask to show availability of optional return value from modem</li> <li>Supported QMI service in this release: swiloc, loc, ims, imsa, fms, cat, audio, dms, swiomaext, swidms, sms, sar, rms, qos, nas, pds, swiavms.</li> </ul>

## 1.2. Lite SDK APIs Changed

- **SMS helper**
  - Moved to private function
    - sms\_PackByteToBits
    - sms\_EncodeBearerData
    - sms\_EncodeRelValidityHdr
    - sms\_EncodePriorityHdr
    - sms\_EncodeUserDataHdr
    - sms\_EncodeMsgIdentifier
    - sms\_EncodeCallbackNumber
    - sms\_EncodeDestAddrHdr
    - sms\_EncodeTeleServiceHdr
    - sms\_EncodeCompleteMoSms
    - sms\_SwiCDMAEncodeMOTextMsg
    - sms\_Swapchars
    - sms\_ConvertAsciiToGSMCharacter
    - sms\_Num2Char
    - sms\_Octet2bin

- sms\_Eightbitpdu
- sms\_Text2Pdu
- sms\_Ucs2pdu
- sms\_SplitParamMTSms
- sms\_UnpackBitsToAByte
- sms\_DecodeOriginAddr
- sms\_DecodeBearerData
- sms\_DecodeUserDataHdr
- sms\_convert7bitGsmtoAscii
- sms\_DecodeUserData
- sms\_DecodeCompleteMTSms
- sms\_SwiCDMADecodeMTTextMsg
- sms\_SwiHex2Asc
- sms\_PduDefaultEncoding2text
- sms\_PduEncoded2text
- sms\_Pdu2text
- sms\_ExtractSMSDeliver
- sms\_ExtractSMSSent
- sms\_SwiExtractpdu
  
- Input parameter updated
  - sms\_SwiMakePdu
  - sms\_SwiAsc2Hex
  - sms\_SLQSWCDMADecodeMTTextMsg
  - sms\_SwiMakeConcatenatedSmsPdu
  - sms\_SLQSWCDMADecodeLongTextMsg
  - sms\_SLQSCDMADecodeMTTextMsgExt
  
- **DMS**
  - unpack\_dms\_GetIMSI
  - unpack\_dms\_GetModelID
  - unpack\_dms\_GetFirmwareInfo
  - unpack\_dms\_GetPower
  - unpack\_dms\_GetSerialNumbers
  - unpack\_dms\_GetHardwareRevision
  - unpack\_dms\_SLQSGetBandCapability
  - unpack\_dms\_GetDeviceCapabilities
  - unpack\_dms\_GetFirmwareRevisions
  - unpack\_dms\_GetPRLVersion
  - unpack\_dms\_GetFirmwareRevision
  - unpack\_dms\_GetDeviceSerialNumbers
  - unpack\_dms\_GetNetworkTime
  - unpack\_dms\_GetVoiceNumber
  - unpack\_dms\_GetDeviceHardwareRev
  - unpack\_dms\_GetFSN
  - unpack\_dms\_GetDeviceCap
  - unpack\_dms\_SetPower
  - unpack\_dms\_GetBandCapability
  - unpack\_dms\_GetUSBComp
  - unpack\_dms\_SetUSBComp
  - unpack\_dms\_SetCustFeature
  - unpack\_dms\_GetCustFeature
  - unpack\_dms\_SetFirmwarePreference
  - unpack\_dms\_GetCrashAction
  - unpack\_dms\_GetDeviceMfr
  - unpack\_dms\_SetEventReport

- unpack\_dms\_SetEventReport\_ind
  - unpack\_dms\_UIMGetICCID
  - unpack\_dms\_SetCustFeaturesV2
  - unpack\_dms\_GetCustFeaturesV2
  - unpack\_dms\_GetActivationState
  - unpack\_dms\_SLQSSwiGetFirmwareCurr
  - unpack\_dms\_SLQSSwiSetDyingGaspCfg
  - unpack\_dms\_SLQSSwiGetDyingGaspCfg
  - unpack\_dms\_SLQSSwiClearDyingGaspStatistics
  - unpack\_dms\_SLQSSwiGetDyingGaspStatistics
  - unpack\_dms\_SLQSDmsSwiGetResetInfo
  - unpack\_dms\_SLQSDmsSwiGetResetInfo\_Ind
  - unpack\_dms\_SLQSDmsSwiIndicationRegister
  - unpack\_dms\_SetCrashAction
  - unpack\_dms\_SLQSSwiGetFwUpdateStatus
  - unpack\_dms\_GetManufacturer
  - unpack\_dms\_GetOfflineReason
  - unpack\_dms\_SetActivationStatusCallback
  - unpack\_dms\_UIMSetPINProtection
  - unpack\_dms\_UIMUnblockPIN
  - unpack\_dms\_UIMVerifyPIN
  - unpack\_dms\_UIMChangePIN
  - unpack\_dms\_UIMGetControlKeyStatus
  - unpack\_dms\_UIMGetPINStatus
  - unpack\_dms\_UIMSetControlKeyProtection
  - unpack\_dms\_UIMUnblockControlKey
  - unpack\_dms\_ResetToFactoryDefaults
  - unpack\_dms\_ValidateSPC
  - unpack\_dms\_ActivateAutomatic
  - unpack\_dms\_SLQSGetERIFile
  - unpack\_dms\_SLQSUIMGetState
  - unpack\_dms\_SLQSSwiGetCrashInfo
  - unpack\_dms\_SLQSSwiGetHostDevInfo
  - unpack\_dms\_SLQSSwiSetHostDevInfo
  - unpack\_dms\_SLQSSwiGetOSInfo
  - unpack\_dms\_SLQSSwiSetOSInfo
  - unpack\_dms\_SLQSSwiGetSerialNoExt
  - unpack\_dms\_SLQSDmsSwiGetPCInfo
  - unpack\_dms\_SLQSGetPowerSaveModeConfig
  - unpack\_dms\_SLQSSetPowerSaveModeConfig
  - unpack\_dms\_SetIndicationRegister
  - unpack\_dms\_PSMCfgChange\_ind
  - unpack\_dms\_SwiSetEventReport
  - unpack\_dms\_SwiEventReportCallBack\_ind
- **SWIOMAEXT:**
    - unpack\_swioma\_SLQSOMADMStartSessionExt
    - unpack\_swioma\_SLQSOMADMCancelSessionExt
    - unpack\_swioma\_SLQSOMADMSetSettingsExt
    - unpack\_swioma\_SLQSOMADMSendSelectionExt
  - **SWIDMS:**
    - unpack\_swidms\_SLQSSwiDmsGetUsbNetNum
    - unpack\_swidms\_SLQSSwiDmsSetUsbNetNum
    - unpack\_swidms\_SLQSSwiDmsSetMTU

- unpack\_swidms\_SLQSSwiDmsGetMTU
  
- **SMS**
  - unpack\_sms\_SLQSGetSMS
  - unpack\_sms\_SLQSGetSMSList
  - unpack\_sms\_SLQSModifySMSStatus
  - unpack\_sms\_SLQSDeleteSMS
  - unpack\_sms\_SendSMS
  - unpack\_sms\_SetNewSMSCallback
  - unpack\_sms\_SetNewSMSCallback\_ind
  - unpack\_sms\_SLQSWmsMemoryFullCallBack\_ind
  - unpack\_sms\_GetSMSCAddress
  - unpack\_sms\_SetSMSCAddress
  - unpack\_sms\_SaveSMS
  - unpack\_sms\_SLQSGetSmsBroadcastConfig
  - unpack\_sms\_SLQSSetSmsBroadcastConfig
  - unpack\_sms\_SLQSSetSmsBroadcastActivation
  - unpack\_sms\_SLQSGetTransLayerInfo
  - unpack\_sms\_SLQSGetTransNWRegInfo
  - unpack\_sms\_SLQSGetIndicationRegister
  - unpack\_sms\_SLQSSetIndicationRegister
  - unpack\_sms\_SLQSSmsSetRoutes
  - unpack\_sms\_SLQSSmsGetMessageProtocol
  - unpack\_sms\_SLQSSmsGetMaxStorageSize
  - unpack\_sms\_SLQSGetMessageWaiting
  - unpack\_sms\_SLQSSendAsyncSMS
  - unpack\_sms\_SLQSSetSmsStorage
  - unpack\_sms\_SLQSSwiGetSMSStorage
  - unpack\_sms\_SLQSTransLayerInfoCallback\_ind
  - unpack\_sms\_SLQSNWRegInfoCallback\_ind
  - unpack\_sms\_SLQSWmsMessageWaitingCallBack\_ind
  - unpack\_sms\_SLQSWmsAsyncRawSendCallBack\_ind
  
- **SAR**
  - unpack\_sar\_SLQSGetRfSarState
  - unpack\_sar\_SLQSSetRfSarState
  
- **RMS**
  - unpack\_rms\_GetSMSWake
  - unpack\_rms\_SetSMSWake
  
- **QOS**
  - unpack\_qos\_SLQSQosGetNetworkStatus
  - unpack\_qos\_SLQSQosSwiReadApnExtraParams
  - unpack\_qos\_SLQSQosSwiReadDataStats
  - unpack\_qos\_SLQSSetQosNWStatusCallback\_ind
  - unpack\_qos\_SLQSSetQosStatusCallback\_ind
  - unpack\_qos\_SLQSSetQosPriEventCallback\_ind
  - unpack\_qos\_SLQSSetQosEventCallback
  - unpack\_qos\_SLQSSetQosEventCallback\_ind
  - unpack\_qos\_BindDataPort
  
- **PDS**
  - unpack\_pds\_GetPDSSState

- unpack\_pds\_SetPDSState
- unpack\_pds\_GetPDSDefaults
- unpack\_pds\_SetPDSDefaults
- unpack\_pds\_GetPortAutomaticTracking
- unpack\_pds\_SetPortAutomaticTracking
- unpack\_pds\_StartPDSTrackingSessionExt
- unpack\_pds\_StopPDSTrackingSession
- unpack\_pds\_PDSInjectTimeReference
- unpack\_pds\_GetXTRAAutomaticDownload
- unpack\_pds\_SetXTRAAutomaticDownload
- unpack\_pds\_GetXTRANetwork
- unpack\_pds\_SetXTRANetwork
- unpack\_pds\_GetXTRAValidity
- unpack\_pds\_ForceXTRADownload
- unpack\_pds\_GetServiceAutomaticTracking
- unpack\_pds\_SetServiceAutomaticTracking
- unpack\_pds\_ResetPDSData
- unpack\_pds\_SLQSSetAGPSConfig
- unpack\_pds\_SLQSPDSInjectAbsoluteTimeReference
- unpack\_pds\_SLQSGetAGPSConfig
- unpack\_pds\_SLQSPDSInjectPositionData
- unpack\_pds\_SLQSPDSDeterminePosition
- unpack\_pds\_SLQSGetGPSStateInfo
- unpack\_pds\_SLQSSetPositionMethodState
- unpack\_pds\_SetEventReportCallback
- unpack\_pds\_SetEventReport\_Ind
- unpack\_pds\_SetPdsState\_Ind

○ **NAS**

- unpack\_nas\_GetSignalStrengths
- unpack\_nas\_SLQSGetSysSelectionPref
- unpack\_nas\_SLQSSetSysSelectionPref
- unpack\_nas\_SLQSSetBandPreference
- unpack\_nas\_SLQSNasIndicationRegisterExt
- unpack\_nas\_GetRFInfo
- unpack\_nas\_SLQSNasGetSigInfo
- unpack\_valid\_nas\_SLQSNasGetSigInfo
- unpack\_nas\_SLQSNasSigInfoCallback\_ind
- unpack\_nas\_GetHomeNetwork
- unpack\_nas\_SLQSGetSysInfo
- unpack\_nas\_SLQSNasSysInfoCallback\_ind
- unpack\_nas\_GetServingNetwork
- unpack\_nas\_GetServingNetworkCapabilities
- unpack\_nas\_PerformNetworkScan
- unpack\_nas\_SLQSSwiGetLteCQI
- unpack\_nas\_SLQSNasSwiModemStatus
- unpack\_nas\_SLQSGetServingSystem
- unpack\_valid\_nas\_SLQSGetServingSystem
- unpack\_nas\_SLQSGetSignalStrength
- unpack\_valid\_nas\_SLQSGetSignalStrength
- unpack\_nas\_SLQSSetSignalStrengthsCallback
- unpack\_nas\_SetRFInfoCallback
- unpack\_nas\_SetLURejectCallback
- unpack\_nas\_SetEventReportInd
- unpack\_nas\_GetCDMANetworkParameters
- unpack\_valid\_nas\_GetCDMANetworkParameters

- unpack\_nas\_GetANAAAAuthenticationStatus
- unpack\_nas\_GetACCOLC
- unpack\_nas\_SetACCOLC
- unpack\_nas\_SLQSNasConfigSigInfo2
- unpack\_nas\_SetDataCapabilitiesCallback\_ind
- unpack\_nas\_GetNetworkPreference
- unpack\_nas\_SetNetworkPreference
- unpack\_nas\_SetRoamingIndicatorCallback\_ind
- unpack\_nas\_SetServingSystemCallback\_ind
- unpack\_nas\_SlqsGetLTECphyCAInfo
- unpack\_nas\_SLQSSetSysSelectionPrefCallBack\_ind
- unpack\_nas\_SLQSNasSwiOTAMessageCallback\_ind
- unpack\_nas\_SLQSInitiateNetworkRegistration
- unpack\_nas\_SLQSNasSwiIndicationRegister
- unpack\_nas\_SLQSGetPLMNName
- unpack\_nas\_SLQSNasGetCellLocationInfo
- unpack\_nas\_SLQSGetNetworkTime
- unpack\_nas\_SLQSNasNetworkTimeCallBack\_ind
- unpack\_nas\_SetNasLTECphyCaIndCallback\_ind
- unpack\_nas\_SLQSSwiGetLteSccRxInfo
- unpack\_nas\_SLQSNasTimerCallback\_ind
- unpack\_nas\_InitiateDomainAttach
- unpack\_nas\_SetCDMANetworkParameters
- unpack\_nas\_SLQSNasGetHDRColorCode
- unpack\_nas\_SLQSNasGetTxRxInfo
- unpack\_nas\_SLQSGetOperatorNameData
- unpack\_nas\_SLQSNasGet3GPP2Subscription
- unpack\_nas\_SLQSSwiGetHDRPersonality
- unpack\_nas\_SLQSSwiGetHDRProtSubtype
- unpack\_nas\_SLQSSwiPSDetach
- unpack\_nas\_SLQSGetErrorRate
- unpack\_nas\_SLQSSwiGetHRPDStats
- unpack\_nas\_SLQSSwiNetworkDebug
- unpack\_nas\_SLQSConfigSigInfo
- unpack\_nas\_GetHomeNetwork3GPP2
- unpack\_nas\_SLQSNASSwiSetChannelLock
- unpack\_nas\_SLQSNASSwiGetChannelLock
- unpack\_nas\_SLQSNASGeteDRXParams
- unpack\_nas\_SLQSNASSeteDRXParams
- unpack\_nas\_SLQSSwiHDRPersonalityCallback\_Ind
- unpack\_nas\_SLQSSwiRandIndicatorCallback\_Ind

○ **SWIAVMS**

- unpack\_swiavms\_SLQSAVMSStartSession
- unpack\_swiavms\_SLQSAVMSStopSession
- unpack\_swiavms\_SLQSAVMSStopSession\_avc2
- unpack\_swiavms\_SLQSAVMSSetSettings
- unpack\_swiavms\_SLQSAVMSGetSettings
- unpack\_swiavms\_SLQSAVMSSendSelection
- unpack\_swiavms\_SLQSAvmsSetEventReport
- unpack\_swiavms\_SLQSAVMSSessionGetInfo
- unpack\_swiavms\_SLQSAVMSEventReportInd

## 1.3. Full SDK APIs Changed

- **SMS**
  - SLQSCDMADecodeMTTextMsg
  - SLQSWCDMADecodeMTTextMsg
  - SLQSCDMADecodeMTTextMsgExt
  - SLQSWCDMAEncodeMOTextMsg
  - SLQSWCDMADecodeLongTextMsg

## 2. Abbreviations and Definitions

Table 2. Abbreviations and Definitions

Abbreviation/Acronym	Definitions
MSM	Mobile Station Modem
PRI	Product Release Instructions
QMI	Qualcomm MSM Interface
SLQS	Sierra Linux QMI SDK
WP	Work Package

## 3. Related Documentation

- [1] Linux QMI SDK Application Developer's Guide  
Reference number: 4110914
- [2] Linux QMI SDK Sanity Test Report  
Reference number: 41112405
- [3] Linux QMI SDK Software Validation Test Report  
Reference number: 41112406

## 4. Compatibility

Table 3. Hardware Compatibility

Compatible Devices
AR7554/AR7554RD
EM/MC73xx
MC77xx
MC83x5
MC/SL9090
MC/EM74xx
WP8548/7502/7504
WP7601/WP7603/WP7607/WP7608/WP7609
WP7702
EM7565/EM7511

Note: MC77xx devices must operate in "QMI Mode" and not in "Direct-IP" mode.

To switch the device into QMI mode of operation, use the following AT commands:

- **AT!UDPID=68A2**
- **AT!RESET**

Note: MC73xx, set the device using "**AT!UDPID=68C0**".

The tables below list the hexadecimal values of the Vendor ID (VID) and Product ID (PID) pairs supported by the Linux QMI SDK.

Table 4. Supported Application-Mode VID/PIDs

<b>VID</b>	1199	1199	1199	1199	1199	1199	1199	1199	1199	3F0	1199	1199	1199
<b>PID</b>	68A2	68C0	9011	9013	9015	9019	9041	9071	371D	9091	90B1	90C1	

Table 5. Supported Boot-Mode VID/PIDs

<b>VID</b>	1199	1199	1199	1199	1199	1199	1199	1199	1199	3F0	1199	1199	1199
<b>PID</b>	68A2	68C0	9010	9012	9014	9018	9040	9070	361D	9090	90B0	90C0	

To check your device's VID/PID, issue the `lsusb` command. The output will present a list of USB devices with a column showing each device's manufacturer. The device VID/PID can be read from the row containing the correct device manufacturer. Additionally, on MC77xx devices, you can use the `AT!UDINFO?` command to check VID/PID information. If your VID/PID does not match any of the entries in the tables above, contact your FAE for support.

=The following table enumerates the modules with their corresponding firmware that were tested with Linux QMI SDK 04.00.17.

**Table 6. Modem and Firmware tested with the SDK**

<b>Modem</b>	<b>Firmware</b>
WP7603	SWI9X07Y_02.21.01.00
WP7607	SWI9X07Y_02.21.01.00
WP7608	SWI9X07Y_02.21.01.00
WP7609	SWI9X07Y_02.21.01.00
WP7702	SWI9X06Y_02.18.02.00
EM7565	SWI9X50C_01.08.00.00
EM7511	SWI9X50C_01.07.02.00
EM7455	SWI9X30C_02.30.03.00
MC7305	SWI9X15C_05.05.67.00

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*Note: The SDK work across all firmware revisions in general. However, some new APIs might require recent firmware.*

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## 5. Software Release Description

Table 7. Release Information

<b>SDK version</b>	04.00.17
<b>Date of generation</b>	26/10/2018
<b>Binary archive name</b>	SLQS04.00.17.bin.tar.gz
<b>Binary archive name</b>	SLQS04.00.17-lite.bin.tar.gz
<b>Source code archive name</b>	SLQS04.00.17.tar.gz
<b>Source code archive name</b>	SLQS04.00.17-lite.src.tar.gz
<b>Processor compatibility</b>	x86, ARM, PowerPC, MIPS
<b>Linux kernel compatibility</b>	2.6.32 to 4.16
<b>USB driver compatibility</b>	S2.35N2.54

## 6. Software Changes

### 6.1. Validated Corrections/Improvements

Table 8. Validated Corrections/Improvements

ID	Description
<a href="#">LXQMISDK-1309</a>	Porting SMS encoding decoding functions from Lite-SDK to core SDK
<a href="#">LXQMISDK-1304</a>	GetValidFwPriCombinations failed to extract combinations data
<a href="#">LXQMISDK-1300</a>	ramdump tool to list all options with "-h" option
<a href="#">LXQMISDK-1296</a>	missing switype_256bit.h in libpack folder
<a href="#">LXQMISDK-1294</a>	include logging tool in lite source package
<a href="#">LXQMISDK-1293</a>	lite-connection-manager not build by default
<a href="#">LXQMISDK-1292</a>	swi_uint256 helper functions are not documented
<a href="#">LXQMISDK-1291</a>	Add AVMS test cases to OEM auto test for LiteSDK
<a href="#">LXQMISDK-1290</a>	packingdemo improvement dump function require NULL check
<a href="#">LXQMISDK-1284</a>	packingdemo in SWIOMA service dump function no NULL check.
<a href="#">LXQMISDK-1276</a>	indication return eQCWWAN_ERR_INVALID_QMI_RSP in several services
<a href="#">LXQMISDK-1274</a>	Review of SMS helper functions
<a href="#">LXQMISDK-1275</a>	Provide SDKLITE only release along with complete SDK
<a href="#">LXQMISDK-1273</a>	Add support for QMI_NAS_SET_SYSTEM_SELECTION_PREFERENCE TLV 0x24
<a href="#">LXQMISDK-1271</a>	sms_SLQSCDMADecodeMTTextMsgExt to handle "unsupported encoding scheme" gracefully
<a href="#">LXQMISDK-1270</a>	Provide optimized method to check if TLV is present in DMS service
<a href="#">LXQMISDK-1269</a>	EM7565 Fail to update firmware cwe_nv by Linux SDK
<a href="#">LXQMISDK-1267</a>	QMAP instance 4 support
<a href="#">LXQMISDK-1264</a>	[FWATE] Add ip(IPV6) auto config option in the packingdemo application
<a href="#">LXQMISDK-1263</a>	Update RAT and SO mask documentation(WDS 1.133)
<a href="#">LXQMISDK-1262</a>	fwdl tool reports download failed when PRI is already on the board
<a href="#">LXQMISDK-1228</a>	Provide optimized method to check if TLV is present in swiomaext service
<a href="#">LXQMISDK-1227</a>	Provide optimized method to check if TLV is present in swidms service
<a href="#">LXQMISDK-1226</a>	Provide optimized method to check if TLV is present in sms service
<a href="#">LXQMISDK-1225</a>	Provide optimized method to check if TLV is present in sar service
<a href="#">LXQMISDK-1224</a>	Provide optimized method to check if TLV is present in rms service
<a href="#">LXQMISDK-1223</a>	Provide optimized method to check if TLV is present in QOS service
<a href="#">LXQMISDK-1221</a>	Provide optimized method to check if TLV is present in nas service
<a href="#">LXQMISDK-1219</a>	Provide optimized method to check if TLV is present in pds service
<a href="#">LXQMISDK-1218</a>	Provide optimized method to check if TLV is present in swiavms service
<a href="#">LXQMISDK-1134</a>	Add UART support for Lite Firmware Downloader on WP760x

## 6.2. Known Issues

Table 9. Known Issues

ID	Description
QT19X07-940	Add QMI to change USB composition

## 6.3. Minor API Prototype Change

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*Note:* When updating the SDK, make sure to pull the latest headers from <SDK\_ROOT>/api folder.

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## 6.4. Macro Usage

Table 10. Macro Usage

Macro	Usage
AM_API_MUTEX_TIMEOUT_IN_SEC	This is the timeout time (in seconds) for which the mutex is locked when the SDK is compiled with API_TIMEOUT flag.
API_TIMEOUT	This is a compilation flag. If this flag is defined during compilation, SDK will lock the mutex for a particular time. The locking time is defined by AM_API_MUTEX_TIMEOUT_IN_SEC. If this flag is not defined then the mutex is locked indefinitely.