



# AirPrime RC76xx

## Customer Release Notes for Release 7.1



**SIERRA**  
WIRELESS®

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May 20, 2021

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Corporate and product information	Web: <a href="http://sierrawireless.com">sierrawireless.com</a>

# Document History

Version	Date	Updates
1.0	May 20, 2021	Creation of CRN for R7.1 to be published on the Source



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# 1. Introduction

## 1.1. Document Scope

This document describes RC76xx firmware releases.

## 1.2. Document Audience

These release notes may be distributed to all direct and indirect customers.



## 2. Abbreviations and Definitions

Table 1. Abbreviations and Definitions

Abbreviation/Acronym	Definitions
AT	Access Terminal, Attention
EDL	Emergency Download
FDT	Firmware Download Tool
GCF	Global Certification Forum
PSM	Power Saving Mode
QMI	Qualcomm Messaging Interface
SDP	Software Download Protocol



## 3. Related Documentation

- [1] AirPrime RC7611 Product Technical Specification  
Reference number: 41113440
- [2] AirPrime RC76xx AT Command Reference Guide  
Reference number: 41113566
- [3] AirPrime RC76xx Customer Release Notes (internal only)  
Reference number: 41114005
- [4] AirPrime RC76xx Customer Release Notes for Release 6.1  
Reference number: 41113793
- [5] AirPrime RC76xx Customer Release Notes for Release 6.2  
Reference number: 41114091
- [6] Interface Specification for MDM9x07 AT Commands  
Reference number: 41113399

## >> 4. Compatibility

### 4.1. Hardware Compatibility

Table 2. Hardware Compatibility

AirPrime Compatibility List	
RC7611	LTE Cat-4, LTE bands 2/4/5/12/13/14/25/26/66/71
RC7611-1	LTE Cat-1, LTE bands 2/4/5/12/13/14/25/26/66/71
RC7620	LTE Cat-4, LTE bands 1/3/7/8/20/28(A+B) WCDMA bands 1/8, GSM900/1800
RC7620-1	LTE Cat-1, LTE bands 1/3/7/8/20/28(A+B) WCDMA bands 1/8, GSM900/1800
RC7630	LTE Cat-4, LTE bands 1/3/5/7/8/18/19/21
RC7630-1	LTE Cat-1, LTE bands 1/3/5/7/8/18/19/21

## >> 5. SWI9X07H Release 7.1

SWI9X07H Release 7.1 is a major release.

### 5.1. Software Release Description

#### 5.1.1. Release Identification

Table 3. Firmware Release Information

Component	Revision
Modem Firmware	SWI9X07H_00.07.01.01 941d82 jenkins 2021/01/22 10:39:56
Legato Application Framework	20.03.0.m1.ThreadX.rc34
Binary Size	29.2 MB (compressed one-click exe)
IMEI SV	16
Qualcomm baseline	MDM9607.TX.1.0-00082-STD.PROD-2.337450.1.368669.1
Qualcomm SBA	MDM9607.TX.1.0 Post-CS 0.0.082.2.337450.1.368669.1
Supported H/W	RC7630, RC7630-1

#### 5.1.2. Software Tools Version

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Note: Download the following tools from <https://source.sierrawireless.com/>

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Table 4. Software Tools Version

Software Tools Name	Version
Windows Driver Package	B4836
Linux Drivers	S2.39N2.60
Linux SDK	SLQS04.00.23

### 5.1.3. Released Files

Table 5. RC76xx Approved Packages

File	Carrier	Modem Firmware	Config	Base Legato System	Comment
<b>RC7630/RC7630-1 Approved</b>					
RC76xx_Release7.1_GENERIC_GCF_7630.exe	Generic (GCF)	SWI9X07H_00.07.01.01	001.076_000	20.03.0.m1.ThreadX.rc34	GCF approved
RC76xx_Release7.1_KDDI_7630.exe	KDDI	SWI9X07H_00.07.01.01	001.017_000	20.03.0.m1.ThreadX.rc34	KDDI approved
RC76xx_Release7.1_DOCOMO_7630.exe	DOCOMO	SWI9X07H_00.07.01.01	001.015_000	20.03.0.m1.ThreadX.rc34	DOCOMO approved

Function	Files
Firmware components	9999999_9909667_SWI9X07H_00.07.01.01_00_GENERIC_001.076_000.spk (RC7630 GCF) 9999999_9910147_SWI9X07H_00.07.01.01_00_KDDI_001.017_000.spk (RC7630 KDDI) 9999999_9910146_SWI9X07H_00.07.01.01_00_DOCOMO_001.015_000.spk (RC7630 DOCOMO) appl_20.03.0.m1.ThreadX.rc34.cwe
These files will be available for download at <a href="https://source.sierrawireless.com/">https://source.sierrawireless.com/</a>	

## 5.1.4. Software Changes Description

The following changes were implemented in Release 7.1.

**Table 6. Software Changes Description for Generic**

ID	Description	Affected Domain
QT19X07TX-3202	Add Post-CS 0.0.082.2.337450.1.368669.1 to tx-1.0-swi_00.07.01.00	
QT19X07TX-2785	[ATD] Module cannot make data connection with KDDI network	
QT19X07TX-2929	+KPATTERN does not accept 8-bit characters	
QT19X07TX-2875	Add QTI stack r00075.1.318295.1 to tx-1.0-swi	
QT19X07TX-1582	[AT] AT\$LGTRQOS Command	
QT19X07TX-1590	[AT] AT\$LGTRTPS Command	
QT19X07TX-1591	[AT] AT\$LGTRTPR Command	
QT19X07TX-2287	[ATIP] AT+KFTPCFG	
QT19X07TX-2288	[ATIP] AT+KFTPCNX	
QT19X07TX-2289	[ATIP] AT+KFTPRCV	
QT19X07TX-2290	[ATIP] AT+KFTPSND	
QT19X07TX-2291	[ATIP] AT+KFTPDEL	
QT19X07TX-2292	[ATIP] +KFTP_IND	
QT19X07TX-2293	[ATIP] AT+KFTPCLOSE	
QT19X07TX-2294	[ATIP] AT+KFTPCFGDEL	
QT19X07TX-2295	[ATIP] AT+KFTPLS	
QT19X07TX-2791	[AT] AT\$LGTRMODFW Command	
QT19X07TX-2792	[AT] AT\$LGTRMODFWI Command	
QT19X07TX-1590	[AT] AT\$LGTRTPS Command	
QT19X07TX-2967	Add QTI stack r00082.2 Post-CS 0.0.082.2 to tx-1.0-swi	
QT19X07TX-2570	[AT] AT+DBGCFG	
QT19X07TX-2992	Add QTI stack r00082.2.337450.1 - Post-r00082.2.337450.1 to tx-1.0-swi	

Table 7. Software Changes Description for DOCOMO

ID	Description	Affected Domain
QT19X07TX-2629	VoLTE Support for DOCOMO, KDDI, LGU+, and KT	

Table 8. Software Changes Description for KDDI and KT

ID	Description	Affected Domain
QT19X07TX-2629	VoLTE Support for DOCOMO, KDDI, LGU+, and KT	

Table 9. Software Changes for LGU

ID	Description	Affected Domain
QT19X07TX-2669	[oneM2M] Develop XML parser and param storage related APIs	
QT19X07TX-2924	[oneM2M] OM package support QXDM logging by category	
QT19X07TX-2905	[oneM2m] Folder name change to OM	
QT19X07TX-2629	VoLTE Support for DOCOMO, KDDI, LGU+, and KT	
QT19X07TX-2673	[OneM2M] Implement \$OM_C_SUB_REQ (Create Subscription)	
QT19X07TX-2674	[oneM2M] Implement command \$OM_C_CON_REQ	
QT19X07TX-2676	[OneM2M] Implement \$OM_D_SUB_REQ (Delete Subscription)	
QT19X07TX-2677	[oneM2M] Implement command \$OM_D_CON_REQ	
QT19X07TX-2944	[oneM2M] Implement a message queue for asynchronized command processing	
QT19X07TX-2968	[oneM2M] Implement config parameter read in initialize prod	
QT19X07TX-2679	[OneM2M] Implement \$OM_C_ACP_REQ (Set Access Policy)	
QT19X07TX-2684	[OneM2M] Implement \$OM_R_ACP_REQ (Read Access Policy)	
QT19X07TX-2686	[OneM2M] Implement \$OM_U_ACP_REQ (Update Access Policy)	
QT19X07TX-2687	[OneM2M] Implement \$OM_D_ACP_REQ (Delete Access Policy)	
QT19X07TX-2691	[oneM2M] \$OM_C_CSE_REQ Create Remote CSE registration	
QT19X07TX-2692	[oneM2M] \$OM_D_CSE_REQ Delete Remote CSE registration	
QT19X07TX-2708	[oneM2M] Implement command \$OM_C_INS_REQ	
QT19X07TX-2968	[oneM2M] Implement oneM2M config paramant read in initialize	
QT19X07TX-2986	[oneM2M] \$OM_R_CSE_REQ Retrieve Remote CSE registration	



## 6. SWI9X07H Release 6.3

SWI9X07H Release 6.3 is a major release.

### 6.1. Software Release Description

#### 6.1.1. Release Identification

Table 10. Firmware Release Information

Component	Revision
Modem Firmware	SWI9X07H_00.03.03.00 2bb7a4 jenkins 2020/04/15 07:57:29
Legato Application Framework	20.03.0.m4.ThreadX.rc3
Binary Size	29.1 MB (compressed one-click exe)
IMEI SV	14
Qualcomm baseline	MDM9607.TX.1.0-00064-STD.PROD-1.275918.1
Qualcomm SBA	MDM9607.TX.1.0 Post-CS 0.0.064.1.275918.1
Supported H/W	RC7611, RC7611-1

#### 6.1.2. Software Tools Version

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*Note:* Download the following tools from <https://source.sierrawireless.com/>

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Table 11. Software Tools Version

Software Tools Name	Version
Windows Driver Package	B4836
Linux Drivers	S2.39N2.60
Linux SDK	SLQS04.00.23

### 6.1.3. Released Files

Table 12. RC76xx Approved Packages

File	Carrier	Modem Firmware	Config	Base Legato System	Comment
<b>RC7611/RC7611-1 Approved</b>					
RC76xx_Release6.3_SIERRA_R2C_7611.exe	Sierra	SWI9X07H_00.03.03.00	000.027_000	20.03.0.m4.ThreadX.rc3	R2C approved

Function	Files
Firmware components	9999999_9909717_SWI9X07H_00.03.03.00_00_SIERRA_000.027_000.spk (RC7611 R2C) appl_20.03.0.m4.ThreadX.rc3.cwe
These files will be available for download at <a href="https://source.sierrawireless.com/">https://source.sierrawireless.com/</a>	

## 6.1.4. Software Changes Description

The following changes were implemented in Release 6.3 since Release 6.2.

Table 13. Software Changes Description for Legato

ID	Description	Affected Domain
QT19X07TX-3225	Merge patch for Release6.3	



## 7. SWI9X07H Release 7

SWI9X07H Release 7 is an interim release.

This release will not be available to the public in <https://source.sierrawireless.com>, AirVantage, and Leaf. Please contact Sales for this release.

### 7.1. Software Release Description

#### 7.1.1. Release Identification

Table 14. Firmware Release Information

Component	Revision
Modem Firmware	SWI9X07H_00.06.05.01 59d234 jenkins 2020/10/05 01:55:15
Legato Application Framework	20.03.0.m5.ThreadX.rc1
Binary Size	28.5 MB (compressed one-click exe)
IMEI SV	16
Qualcomm baseline	MDM9607.TX.1.0-00075-STD.PROD-1
Qualcomm SBA	MDM9607.TX.1.0 Post-CS 0.0.075.1
Supported H/W	RC7611, RC7611-1, RC7620, RC7620-1, RC7630, RC7630-1

#### 7.1.2. Software Tools Version

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*Note:* Download the following tools from <https://source.sierrawireless.com/>

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Table 15. Software Tools Version

Software Tools Name	Version
Windows Driver Package	B4956
Linux Drivers	S2.42N2.63
Linux SDK	SLQS04.00.26

### 7.1.3. Released Files

Table 16. RC76xx Approved Packages

File	Carrier	Modem Firmware	Config	Base Legato System	Comment
<b>RC7611/RC7611-1 Approved</b>					
RC76xx_Release7_ATT_7611.exe	ATT	SWI9X07H_00.03.03.00	001.040_000	20.03.0.m5.ThreadX.rc1	ATT approved
RC76xx_Release7_GENERIC_GCF_7611.exe	Generic (PTCRB / GCF)	SWI9X07H_00.03.03.00	001.046_000	20.03.0.m5.ThreadX.rc1	PTCRB / GCF approved
RC76xx_Release7_SIERRA_R2C_7611.exe	Sierra	SWI9X07H_00.03.03.00	000.027_000	20.03.0.m5.ThreadX.rc1	R2C approved
RC76xx_Release7_VERIZON_7611.exe	Verizon	SWI9X07H_00.03.03.01	001.040_000	20.03.0.m5.ThreadX.rc1	Verizon approved
RC76xx_Release7_TMO_7611.exe	TMO	SWI9X07H_00.03.03.00	001.024_000	20.03.0.m5.ThreadX.rc1	TMO approved
<b>RC7620/RC7620-1 Approved</b>					
RC76xx_Release7_GENERIC_GCF_7620.exe	Generic (GCF)	SWI9X07H_00.03.03.00	001.043_000	20.03.0.m5.ThreadX.rc1	GCF approved
RC76xx_Release7_SIERRA_R2C_7620.exe	Sierra	SWI9X07H_00.03.03.00	000.027_000	20.03.0.m5.ThreadX.rc1	R2C approved
<b>RC7630/RC7630-1 Approved</b>					
RC76xx_Release7_GENERIC_GCF_7630.exe	Generic (GCF)	SWI9X07H_00.04.05.00	001.061_000	20.03.0.m5.ThreadX.rc1	GCF approved
<b>RC7630/RC7630-1 Approval pending package</b>					
RC76xx_Release7_SIERRA_test.exe	Sierra	SWI9X07H_00.06.05.01	000.046_000	20.03.0.m5.ThreadX.rc1	test
RC76xx_Release7_DOCOMO_test.exe	DOCOMO	SWI9X07H_00.06.05.01	001.008_000	20.03.0.m5.ThreadX.rc1	test
RC76xx_Release7_KDDI_test.exe	KDDI	SWI9X07H_00.06.05.01	001.010_000	20.03.0.m5.ThreadX.rc1	test

Function	Files
Firmware components	9999999_9909667_SWI9X07H_00.03.03.00_00_GENERIC_001.043_000.spk (RC7620 GCF) 9999999_9909667_SWI9X07H_00.03.03.00_00_GENERIC_001.046_000.spk (RC7611 PTCRB / GCF) 9999999_9909693_SWI9X07H_00.03.03.00_00_ATT_001.040_000.spk (RC7611 ATT) 9999999_9909694_SWI9X07H_00.03.03.01_00_VERIZON_001.040_000.spk (RC7611 Verizon) 9999999_9909696_SWI9X07H_00.03.03.00_00_TMO_001.024_000.spk (RC7611 TMO) 9999999_9909717_SWI9X07H_00.03.03.00_00_SIERRA_000.027_000.spk (RC7611/RC7620 R2C) 9999999_9909667_SWI9X07H_00.04.05.00_00_GENERIC_001.061_000.spk (RC7630 GCF)  appl_20.03.0.m5.ThreadX.rc1.cwe
These files will be available for download at <a href="https://source.sierrawireless.com/">https://source.sierrawireless.com/</a>	

## 7.1.4. Software Changes Description

The following are changes in Release 7 since Release 6.2.

Table 17. Software Changes Description for Generic

ID	Description	Affected Domain
QT19X07TX-2767	Add QTI stack r00069.1 - Post-CS 0.0.069.1 to tx-1.0-swi	
QT19X07TX-2787	Add QTI stack r00075.1 - Post-CS 0.0.075.1 to tx-1.0-swi	

Table 18. Software Changes Description for Verizon

ID	Description	Affected Domain
QT19X07TX-1909	[LwM2M] [DTLS] Duplicated requests and no buffering in re-handshake	
QT19X07TX-1910	[LwM2M] [DTLS] Resume transmission immediately after peer connection closes due to decrypt-error alert	
QT19X07TX-1930	[LwM2M] [DTLS] Re-handshake upon decryption error on received packet	
QT19X07TX-2928	Increment SVN on RC76 main branch to 16	

Table 19. Software Changes Description for Verizon

ID	Description	Affected Domain
QT19X07TX-2611	[R2C] Enabled NV 73764 in Sierra PRI	
QT19X07TX-2626	AT+KSIMSEL=30 to select Soft SIM	

Table 20. Software Changes Description for DOCOMO

ID	Description	Affected Domain
QT19X07TX-2646	Enable SMS over IMS feature - DOCOMO	
QT19X07TX-2648	VoLTE Support for DOCOMO	

Table 21. Software Changes Description for KDDI

ID	Description	Affected Domain
QT19X07TX-2647	Enable SMS over IMS feature - KDDI	
QT19X07TX-2649	VoLte Support for KDDI	



## 8. SWI9X07H Release 6.2

SWI9X07H Release 6.2 is a major release.

### 8.1. Software Release Description

#### 8.1.1. Release Identification

Table 22. Firmware Release Information

Component	Revision
Modem Firmware	SWI9X07H_00.03.03.00 2bb7a4 jenkins 2020/04/15 07:57:29
Legato Application Framework	20.03.0.m4.ThreadX.rc2
Binary Size	28.4 MB (compressed one-click exe)
IMEI SV	14
Qualcomm baseline	MDM9607.TX.1.0 Post-CS 0.0.064.1
Qualcomm SBA	MDM9607.TX.1.0 Post-CS 0.0.064.1.275918.1
Supported H/W	RC7611, RC7611-1, RC7620, RC7620-1

#### 8.1.2. Software Tools Version

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*Note:* Download the following tools from <https://source.sierrawireless.com/>

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Table 23. Software Tools Version

Software Tools Name	Version
Windows Driver Package	B4956
Linux Drivers	S2.36N2.60
Linux SDK	SLQS04.00.23

### 8.1.3. Released Files

Table 24. RC76xx Approved Packages

File	Carrier	Modem Firmware	Config	Base Legato System	Comment
<b>RC7611/RC7611-1 Approved/Pending</b>					
RC76xx_Release6.2_ATT_7611.exe	ATT	SWI9X07H_00.03.03.00	001.040_000	20.03.0.m4.ThreadX.rc2	ATT approved
RC76xx_Release6.2_GENERIC_GCF_7611.exe	Generic	SWI9X07H_00.03.03.00	001.046_000	20.03.0.m4.ThreadX.rc2	PTCRB / GCF approved
RC76xx_Release6.2_SIERRA_R2C_7611.exe	Sierra	SWI9X07H_00.03.03.00	000.027_000	20.03.0.m4.ThreadX.rc2	R2C approved
RC76xx_Release6.2_VERIZON_7611.exe	Verizon	SWI9X07H_00.03.03.01	001.040_000	20.03.0.m4.ThreadX.rc2	Verizon approved
RC76xx_Release6.2_TMO_7611.exe	TMO	SWI9X07H_00.03.03.00	001.024_000	20.03.0.m4.ThreadX.rc2	TMO approved
<b>RC7620/RC7620-1 Approved/Pending</b>					
RC76xx_Release6.2_GENERIC_GCF_7620.exe	Generic	SWI9X07H_00.03.03.00	001.043_000	20.03.0.m4.ThreadX.rc2	GCF approved
RC76xx_Release6.2_SIERRA_R2C_7620.exe	Sierra	SWI9X07H_00.03.03.00	000.027_000	20.03.0.m4.ThreadX.rc2	R2C approved

Function	Files
Firmware components	9999999_9909667_SWI9X07H_00.03.03.00_00_GENERIC_001.043_000.spk (RC7620 GCF) 9999999_9909667_SWI9X07H_00.03.03.00_00_GENERIC_001.046_000.spk (RC7611 PTCRB/GCF) 9999999_9909693_SWI9X07H_00.03.03.00_00_ATT_001.040_000.spk (RC7611 ATT) 9999999_9909694_SWI9X07H_00.03.03.01_00_VERIZON_001.040_000.spk (RC7611 Verizon) 9999999_9909696_SWI9X07H_00.03.03.00_00_TMO_001.024_000.spk (RC7611 TMO) 9999999_9909717_SWI9X07H_00.03.03.00_00_SIERRA_000.027_000.spk (RC7611/RC7620 R2C)  appl_20.03.0.m4.ThreadX.rc2.cwe
These files will be available for download at <a href="https://source.sierrawireless.com/">https://source.sierrawireless.com/</a>	

## 8.1.4. Software Changes Description

The following changes were implemented in Release 6.2 since Release 6.

Table 25. Software Changes Description for R2C

ID	Description	Impacted Domain
QT19X07TX-2355	RC7620 R6 : if SELRAT 01 , Synchronize with AVMS Failed	



## 9. WI9X07H Release 6.1

SWI9X07H Release 6.1 is a major release.

### 9.1. Software Release Description

#### 9.1.1. Release Identification

Table 26. Firmware Release Information

Component	Revision
Modem Firmware	SWI9X07H_00.03.03.01 707452 jenkins 2020/05/20 07:13:09
Legato Application Framework	20.03.0.m1.ThreadX.rc11
Binary Size	28.4 MB (compressed one-click exe)
IMEI SV	15
Qualcomm baseline	MDM9607.TX.1.0 Post-CS 0.0.064.1
Qualcomm SBA	MDM9607.TX.1.0 Post-CS 0.0.064.1.275918.1
Supported H/W	RC7611, RC7611-1, RC7620, RC7620-1

#### 9.1.2. Software Tools Version

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*Note:* Download the following tools from <https://source.sierrawireless.com/>

---

Table 27. Software Tools Version

Software Tools Name	Version
Windows Driver Package	B4956
Linux Drivers	S2.36N2.60
Linux SDK	SLQS04.00.23

### 9.1.3. Released Files

Table 28. RC76xx Approved/Pending Packages

File	Carrier	Modem Firmware	Config	Base Legato System	Comment
<b>RC7611/RC7611-1 Approved/Pending</b>					
RC76xx_Release6.1_VERIZON_7611.exe	Verizon	SWI9X07H_00.03.03.01	001.040_000	20.03.0.m1.ThreadX.rc11	Verizon
<b>Test</b>					
RC76xx_Release6.1_SIERRA_test.exe	Sierra	SWI9X07H_00.03.03.01	000.029_000	20.03.0.m1.ThreadX.rc11	Test
RC76xx_Release6.1_VERIZON_test.exe	Verizon	SWI9X07H_00.03.03.01	001.040_000	20.03.0.m1.ThreadX.rc11	Test
RC76xx_Release6.1_ATT_test.exe	ATT	SWI9X07H_00.03.03.01	001.043_000	20.03.0.m1.ThreadX.rc11	Test
RC76xx_Release6.1_SPRINT_test	SPRINT	SWI9X07H_00.03.03.01	001.026_000	20.03.0.m1.ThreadX.rc11	Test
RC76xx_Release6.1_TMO_test.exe	TMO	SWI9X07H_00.03.03.01	001.026_000	20.03.0.m1.ThreadX.rc11	Test
RC76xx_Release6.1_GENERIC_test.exe	Generic	SWI9X07H_00.03.03.01	001.050_000	20.03.0.m1.ThreadX.rc11	Test
RC76xx_Release6.1_VODAFONE_test.exe	VODAFONE	SWI9X07H_00.03.03.01	000.024_000	20.03.0.m1.ThreadX.rc11	Test

Function	Files
Firmware components	9999999_9909694_SWI9X07H_00.03.03.01_00_VERIZON_001.040_000.spk
These files will be available for download at <a href="https://source.sierrawireless.com/">https://source.sierrawireless.com/</a>	

## 9.2. Software Changes Description

The following changes were implemented in Release 6.1 since Release 6.

Table 29. Software Changes Description for Verizon

ID	Description	Impacted Domain
QTI9X07TX-1789	Sync WP76XX modem_proc by cherry-pick	
QTI9X07TX-1930	[LwM2M][DTLS] Rehandshake upon decryption error on received packet	
QTI9X07TX-1933	Merge prod-wp76xx(cbf23012 to ac21d2a1)	
QTI9X07TX-1940	Increment SVN on RC76 main branch to 15	

## 9.3. Restrictions/Known Issues

This section presents restrictions or known issues that must be considered regarding this release.

ID	Description (What/When)
NA	NA

# >> 10. SWI9X07H Release 6

SWI9X07H Release 6 is a major release.

## 10.1. Software Release Description

### 10.1.1. Release Identification

Table 30. Firmware Release Information

Component	Revision
Modem Firmware	SWI9X07H_00.03.03.00 2bb7a4 jenkins 2020/04/15 07:57:29
Legato Application Framework	20.03.0.m1.ThreadX.rc11
Binary Size	29.1 MB (compressed one-click exe)
IMEI SV	14
Qualcomm baseline	MDM9607.TX.1.0 Post-CS 0.0.064.1
Qualcomm SBA	MDM9607.TX.1.0 Post-CS 0.0.064.1.275918.1
Supported H/W	RC7611, RC7611-1, RC7620, RC7620-1

### 10.1.2. Software Tools Version

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*Note:* Download the following tools from <https://source.sierrawireless.com/>

---

Table 31. Software Tools Version

Software Tools Name	Version
Windows Driver Package	B4956
Linux Drivers	S2.36N2.60
Linux SDK	SLQS04.00.23

### 10.1.3. Released Files

Table 32. RC76xx Approved/Pending Packages

File	Carrier	Modem Firmware	Config	Base Legato System	Comment
<b>RC7611/RC7611-1 Approved/Pending</b>					
RC76xx_Release6_GENERIC_GCF_7611.exe	GENERIC (GCF)	SWI9X07H_00.03.03.00	001.046_000	20.03.0.m1.ThreadX.rc11	GCF approved
RC76xx_Release6_SIERRA_R2C_7611.exe	Sierra	SWI9X07H_00.03.03.00	000.027_000	20.03.0.m1.ThreadX.rc11	R2C
<b>Test</b>					
RC76xx_Release6_SIERRA_test.exe	Sierra	SWI9X07H_00.03.03.00	000.027_000	20.03.0.m1.ThreadX.rc11	Test
RC76xx_Release6_VERIZON_test.exe	Verizon	SWI9X07H_00.03.03.00	001.038_000	20.03.0.m1.ThreadX.rc11	Test
RC76xx_Release6_ATT_test.exe	ATT	SWI9X07H_00.03.03.00	001.040_000	20.03.0.m1.ThreadX.rc11	Test
RC76xx_Release6_SPRINT_test	SPRINT	SWI9X07H_00.03.03.00	001.023_000	20.03.0.m1.ThreadX.rc11	Test
RC76xx_Release6_TMO_test.exe	TMO	SWI9X07H_00.03.03.00	001.024_000	20.03.0.m1.ThreadX.rc11	Test
RC76xx_Release6_GENERIC_test.exe	Generic	SWI9X07H_00.03.03.00	001.046_000	20.03.0.m1.ThreadX.rc11	Test
RC76xx_Release6_VODAFONE_test.exe	VODAFONE	SWI9X07H_00.03.03.00	000.022_000	20.03.0.m1.ThreadX.rc11	Test

Function	Files
Firmware components	9999999_9909667_SWI9X07H_00.03.03.00_00_GENERIC_001.046_000.spk 9999999_9909717_SWI9X07H_00.03.03.00_00_SIERRA_000.027_000.spk
These files will be available for download at <a href="https://source.sierrawireless.com/">https://source.sierrawireless.com/</a>	

## 10.2. Software Changes Description

The following changes were implemented in Release 6 since Release 5.

Table 33. Software Changes Description for R2C

ID	Description	Impacted Domain
QT19X07TX-1903	Using oneClick file , Module freezes on WDSS command until next manual Power OFF/ON	
QT19X07TX-1905	RC7620 R5B1 After FOTA the module doesn't connect server Airvantage	
QT19X07TX-1915	[AVMS][FOTA] AVMS command causes module freezes after FOTA and job status is failed	
QT19X07TX-1921	[AVMS][UPD] The module cannot start downloading package from the AVMS server automatically after initiating a connection for FOTA update job	

## 10.3. Restrictions/Known Issues

This section presents restrictions or known issues that must be considered regarding this release.

ID	Description (What/When)
NA	NA



# 11. SWI9X07H Release 5

SWI9X07H Release 5 is a major release.

This release will not be available to the public in <https://source.sierrawireless.com>, AirVantage, and Leaf. Please contact Sales for this release.

## 11.1. Software Release Description

### 11.1.1. Release Identification

Table 34. Firmware Release Information

Component	Revision
Modem Firmware	SWI9X07H_00.03.03.00 2bb7a4 jenkins 2020/04/15 07:57:29
Legato Application Framework	20.03.0.m1.ThreadX.rc7
Binary Size	29.1 MB (compressed one-click exe)
IMEI SV	14
Qualcomm baseline	MDM9607.TX.1.0 Post-CS 0.0.064.1
Qualcomm SBA	MDM9607.TX.1.0 Post-CS 0.0.064.1.275918.1
Supported H/W	RC7611, RC7611-1, RC7620, RC7620-1

### 11.1.2. Software Tools Version

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*Note:* Download the following tools from <https://source.sierrawireless.com/>

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Table 35. Software Tools Version

Software Tools Name	Version
Windows Driver Package	B4956
Linux Drivers	S2.36N2.60
Linux SDK	SLQS04.00.23

### 11.1.3. Released Files

Table 36. RC76xx Approved/Pending Packages

File	Carrier	Modem Firmware	Config	Base Legato System	Comment
<b>RC7611/RC7611-1 Approved/Pending</b>					
RC76xx_Release5_ATT_7611.exe	ATT	SWI9X07H_00.03.03.00	001.040_000	20.03.0.m1.ThreadX.rc7	ATT approved
<b>Test</b>					
RC76xx_Release5_SIERRA_test.exe	Sierra	SWI9X07H_00.03.03.00	001.027_000	20.03.0.m1.ThreadX.rc7	Test
RC76xx_Release5_VERIZON_test.exe	Verizon	SWI9X07H_00.03.03.00	001.038_000	20.03.0.m1.ThreadX.rc7	Test
RC76xx_Release5_ATT_test.exe	ATT	SWI9X07H_00.03.03.00	001.040_000	20.03.0.m1.ThreadX.rc7	Test
RC76xx_Release5_SPRINT_test	SPRINT	SWI9X07H_00.03.03.00	001.023_000	20.03.0.m1.ThreadX.rc7	Test
RC76xx_Release5_TMO_test.exe	TMO	SWI9X07H_00.03.03.00	001.024_000	20.03.0.m1.ThreadX.rc7	Test
RC76xx_Release5_GENERIC_test.exe	Generic	SWI9X07H_00.03.03.00	001.046_000	20.03.0.m1.ThreadX.rc7	Test
RC76xx_Release5_VODAFONE_test.exe	VODAFONE	SWI9X07H_00.03.03.00	000.022_000	20.03.0.m1.ThreadX.rc7	Test

Function	Files
Firmware components	9999999_9909693_SWI9X07H_00.03.03.00_00_ATT_001.040_000.spk
These files will be available for download at <a href="https://source.sierrawireless.com/">https://source.sierrawireless.com/</a>	

## 11.2. Software Changes Description

The following changes were implemented in Release 6 since Release 5.

Table 37. Software Changes Description for R2C

ID	Description	Impacted Domain
QTI9X07TX-1279	[AVMS] The value of some resources of the location object are not synchronized on AVMS server.	
QTI9X07TX-1820	[AVMS] RC7620 FOTA and Power Off during Download failed and no more FOTA can be done.	
QTI9X07TX-1280	[AVMS] The value of SMS Tx Counter and SMS Rx Counter are not synchronized on AVMS server.	
QTI9X07TX-1128	[AVMS][WDSI]The module re-initiates a bootstrap session after rebooting the module.	
QTI9X07TX-1373	[RC7620][AvMS] Module can't register the server right away.	

Table 38. Software Changes Description for AT&T

ID	Description	Impacted Domain
QTI9X07TX-1702	[RC7611][AT&T][AVL_DDR][10776 v19.3][LTE-BTR-1-8224][IMS as its usage setting is not expected]	
QTI9X07TX-1732	[RC7611][AT&T][AVL_DDR][10776 v19.3][LTE-BTR-1-8266][Data browsing did not work]	
QTI9X07TX-1734	[RC7611][AT&T][AVL_DDR][10776 v19.3][Defect#878220][LTE-BTR-1-7843][UE doesn't register within 8 mins]	
QTI9X07TX-1740	[RC7611][AT&T][AVL_DDR][10776 v19.3][Defect#878218][LTE-BTR-1-7907][Unable to Verify that the UE finds the performs Attach procedure on any cell except E-Cell-A]	
QTI9X07TX-1741	[RC7611][AT&T][AVL_DDR][10776 v19.3][Defect#878219][LTE-BTR-1-7930][no PING Replies have been received as Limit is 5 seconds]	
QTI9X07TX-1807	[RC7611][AT&T][AVL_DDR][10776 v19.3][Defect#878283][LTE-BTR-1529][UE capability is mismatch]	
QTI9X07TX-1822	[RC7611][AT&T][Defect#389708][10776 Pre-Lab Test Results - APTN test review – DDA LE-4. (LE-4 CR DVM)]	

## 11.3. Restrictions/Known Issues

This section presents restrictions or known issues that must be considered regarding this release.

ID	Description (What/When)
NA	NA



## 12. SWI9X07H Release 4

SWI9X07H Release 4 is a major release.

This release will not be available to the public in <https://source.sierrawireless.com>, AirVantage, and Leaf. Please contact Sales for this release.

### 12.1. Software Release Description

#### 12.1.1. Release Identification

##### Firmware Release Information

Component	Version
Modem Firmware	SWI9X07H_00.03.03.00 2bb7a4 jenkins 2020/04/15 07:57:29
Legato Application Framework	20.03.0.m1.ThreadX.rc6
Binary Size	29.1 MB (compressed one-click exe)
IMEI SV	14
Qualcomm Stack Version	Post-CS 0.0.064.1
Supported H/W	RC7611, RC7611-1, RC7620, RC7620-1

#### 12.1.2. Software Tools Version

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Download the following tools from <https://source.sierrawireless.com/>

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##### Software Tools Version

Software Tools Name	Version
Windows Driver Package	B4956
Linux Drivers	S2.36N2.60
Linux SDK	SLQS04.00.23

### 12.1.3. Released Files

Table 39. RC76xx Approved/Pending Packages

File	Carrier	Modem Firmware	Config	Base Legato System	Comment
<b>RC7611/RC7611-1 Approved/Pending</b>					
RC76xx_Release4_GENERIC_GCF_7620.exe	GENERIC (GCF)	SWI9X07H_00.03.03.00	001.043_000	20.03.0.m1.ThreadX.rc6	GCF approved
<b>Test</b>					
RC76xx_Release4_SIERRA_test.exe	Sierra	SWI9X07H_00.03.03.00	001.024_000	20.03.0.m1.ThreadX.rc6	Test
RC76xx_Release4_VERIZON_test.exe	Verizon	SWI9X07H_00.03.03.00	001.035_000	20.03.0.m1.ThreadX.rc6	Test
RC76xx_Release4_ATT_test.exe	ATT	SWI9X07H_00.03.03.00	001.037_000	20.03.0.m1.ThreadX.rc6	Test
RC76xx_Release4_SPRINT_test	SPRINT	SWI9X07H_00.03.03.00	001.021_000	20.03.0.m1.ThreadX.rc6	Test
RC76xx_Release4_TMO_test.exe	TMO	SWI9X07H_00.03.03.00	001.022_000	20.03.0.m1.ThreadX.rc6	Test
RC76xx_Release4_GENERIC_test.exe	Generic	SWI9X07H_00.03.03.00	001.043_000	20.03.0.m1.ThreadX.rc6	Test
RC76xx_Release4_VODAFONE_test.exe	VODAFONE	SWI9X07H_00.03.03.00	000.019_000	20.03.0.m1.ThreadX.rc6	Test

Function	Files
Firmware components	9999999_9909667_SWI9X07H_00.03.03.00_00_GENERIC_001.043_000.spk
These files will be available for download at <a href="https://source.sierrawireless.com/">https://source.sierrawireless.com/</a>	

## 12.2. Software Changes Description

The following changes were implemented in Release 6 since Release 5.

Table 40. Software Changes Description for R2C

ID	Description	Impacted Domain
QTI9X07TX-1439	AVMS claimed not implemented after FOTA succeed	
QTI9X07TX-1469	AvMS related AT command will responds "NOT IMPLEMENTED" after upgrade from v2.08 to v2.11	

Table 41. Software Changes Description for Verizon

ID	Description	Impacted Domain
[QTI9X07-4228]	[LWM2M] Add !DM command documentation with md files	
[QTI9X07-4364]	LwM2M AT&T Initial skeleton and device tree support	
[QTI9X07-4447]	LwM2M Move BootstrapConfigurationSetDefault to custom	
[QTI9X07-4449]	LwM2M - Move paramStorage enums to custom	
[QTI9X07-4455]	LwM2M Fix typo ApnConnetion as ApnConnection in various locations	
[QTI9X07-4472]	LwM2M bootstrap inactive control when multiple bootstrap instances are defined	
[QTI9X07-4472]	LwM2M bootstrap inactive control when multiple bootstrap instances are defined	
[QTI9X07TX-1488]	[VZW][LWM2M][Diagnostic] Failed r/w (4/0/30000/1) & (4/0/30000/2)	
[QTI9X07TX-1659]	[LwM2M] Update SWI API lwm2m_log_uri() argument uriP with const	

## 12.3. Restrictions/Known Issues

This section presents restrictions or known issues that must be considered regarding this release.

ID	Description (What/When)
[QTI9X07TX-1171]	[AVMS] FOTA download progress is very slow



## 13. SWI9X07H Release 2 BP 8

SWI9X07H Release 2 BP 8 is a minor release from Release 2.

### 13.1. Software Release Description

#### 13.1.1. Release Identification

##### Firmware Release Information

Component	Version
Modem Firmware	SWI9X07H_00.02.18.00 1ce0ac jenkins 2020/03/11 03:56:19
Legato Application Framework	20.02.0.ThreadX.rc3
Binary Size	28.3 MB (compressed one-click exe)
IMEI SV	10
Qualcomm Stack Version	Post-CS 0.0.061.1.259087.1
Supported H/W	RC7611, RC7611-1, RC7620, RC7620-1

#### 13.1.2. Software Tools Version

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Download the following tools from <https://source.sierrawireless.com/>

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##### Software Tools Version

Software Tools Name	Version
Windows Driver Package	B4956
Linux Drivers	S2.36N2.60
Linux SDK	SLQS04.00.23

### 13.1.3. Released Files

Table 42. RC76xx Approved/Pending Packages

File	Carrier	Modem Firmware	Config	Base Legato System	Comment
RC76xx_Release2_SWI9X07H_00.02.18.0_0_ATT_test.exe	ATT	SWI9X07H_00.02.18.00	001.030_000	20.02.0.ThreadX.rc3	
RC76xx_Release2_SWI9X07H_00.02.18.0_0_VERIZON_test.exe	Verizon	SWI9X07H_00.02.18.00	001.027_000	20.02.0.ThreadX.rc3	
RC76xx_Release2_SWI9X07H_00.02.18.0_0_GENERIC_test.exe	Generic	SWI9X07H_00.02.18.00	001.035_000	20.02.0.ThreadX.rc3	

Function	Files
Firmware components	9999999_9909694_SWI9X07H_00.02.18.00_00_VERIZON_001.027_000.spk 9999999_9909693_SWI9X07H_00.02.18.00_00_ATT_001.030_000.spk 9999999_9909667_SWI9X07H_00.02.18.00_00_GENERIC_001.035_000.spk
These files will be available for download at <a href="https://source.sierrawireless.com/">https://source.sierrawireless.com/</a>	

## 13.2. Software Changes Description

The following are changes in Release 2 BP8 since Release 2.

Table 43. Software Changes Description

ID	Description	Impacted Domain
QTI9X07TX-1115	Update TS.25 to 2020.Jan.06	
QTI9X07TX-1201	AT!DMREAD does not return any data	
QTI9X07TX-1264	The module will crash when write 5/0/1 package URL on module	
QTI9X07TX-1246	AT!DMREAD="3/0/19" returns empty	
QTI9X07TX-1472	[LWM2M] Fail to register to Verizon Repo server when MSISDN not ready	