



**OVERVIEW**

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<b>DATE ISSUED:</b>	May 15, 2018	<b>TRACKING NUMBER:</b>	4134629
<b>ISSUED BY:</b>	AirPrime Product Management		
<b>PRODUCTS AFFECTED:</b>	HL75xx / HL76xx		
<b>SKUS AFFECTED:</b>	All HL75xx / HL76xx SKUs		
<b>BULLETIN:</b>	ASN decoding issue in newly upgraded carrier network		
<b>URGENCY:</b>	Urgent		
<b>EFFECTIVE DATE:</b>	Launching out fix releases along HL75xx / HL76xx products since 1 <sup>st</sup> March		
<b>SAMPLE AVAILABILITY:</b>	N/A		
<b>FOR DISTRIBUTION TO:</b>	All HL75xx / HL76xx customers		

**CUSTOMER APPROVAL (optional section for non-automotive customers)**

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<b>CUSTOMER APPROVER NAME:</b>	
<b>CUSTOMER APPROVER TITLE:</b>	
<b>CUSTOMER APPROVER SIGNATURE:</b>	
<b>SIGNATURE DATE:</b>	
<b>COMMENTS:</b>	

**Summary**

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Dear Customer,

HL75xx/ HL76xx can potentially encounter an ASN.1 decoding issue when carrier network is upgraded to higher 3GPP version.

Issue description:

Module is unable to decode some SIB messages and skip additional Information Elements (IE's) introduced in higher 3GPP versions (3GPP TS 36.331, Version e.4.0 and above) as compared to module 3GPP version (3GPP TS 36.331, Version 9.d.0).

Solution:

Sierra Wireless will integrate a new patch from our chipset vendor to address this issue. Updated Sierra firmware will be released accordingly.

**Details of Issue**

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- Module will not be able to attach to specific LTE Cell when this issue happens
- Module will attach to any other available LTE Cells not broadcasting these additional Information Elements (IE's).
- If module is 2G/3G capable, module will fallback to 2G or 3G if service is available

**Regulatory and Certification**

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Sierra FW fixes does not impact the Hardware or RF performance of the device, no regulatory approval is required. Certification engagement is aligned with new FW version release correspondingly to product specification and carrier requirement.

We have notified worldwide carriers about ASN.1 topic including Verizon, AT&T, Vodafone, Telstra...

Verizon and AT&T have already issued TA's on all HL75xx/HL76xx latest releases with ASN.1 patch. In addition, we are actively involved to formulate certification schedule with other carriers accordingly.

Detail schedules and carriers' certification completion dates will be shared particularly per region/operator/customer basis.

**Effective Dates**

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New SKUs are generated respectively per products and certified FW versions which are also available on AVMS sever for FOTA upgrade as well. To mitigate the risk, old SKUs in previous firmware versions will be obsoleted after migration period is completely engaged.

We start launching firmware fix on HL75xx / HL76xx products and below are carrier certified FW versions releases. Corresponding SKUs are stated for your references:

**VZW certified**

HL7518 FW V4.04	SKU#1104099
HL7588 FW V3.15	SKU#1104081
HL7618RD FW V1.10	SKU#1104077

**AT&T certified**

HL7548 FW A.2.13	SKU#1104118
HL7588 FW A.2.13	SKU#1104117
HL7688 FW A.2.13	SKU#1104119
HL7648 FW04.02.A14	SKU#1104116

**GCF certified**

HL7692 FW2.26	SKU#1104070
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**More information**

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For more information please contact your Sierra Wireless sales/technical support person.