Technical Note

Product: CVSM – Connex Vital Signs Monitor

Date: 2016-05-31

Subject: TN-CVSM 2.20 62 Character Passphrase Limitation

HW Version(s) Affected: CVSM with Lamarr radio

SW Version(s) Affected: CVSM 2.20.00, 2.20.01

Serial Numbers Affected: NA

Lot or Date Code Affected: NA

Classification: Informational Only

Distribution: ☒ Customer Care ☒ Product Service ☒ Field Service

☒ ASPs ☐ Distributors ☐ Customers ☐ Company Confidential

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Training Required: ☒ Yes ☐ No

Summary: CVSM firmware version 2.20.00 and 2.20.01 only support passphrases up to 62 characters in length. The issue is corrected in version 2.20.03.

Issue: CVSM host firmware version 2.20.00 and 2.20.01 are unable to configure the Lamarr radio using a 63 character passphrase. When using WPA2-PSK, regardless of the security protocol CCMP or TKIP, configuring a 63 character passphrase will prevent the radio from connecting.

When attempting to initialize the radio with the 63 character passphrase the Error log shows:

```
radioState[6]
TASK:Lamarr.mes BUF:RADIO: Congestion callback status --
Lamarr::ERR_NOT_INITIALIZED
```

And the Event log shows:

```
BUF:RADIO: State: GET_RADIO_INFO --> WAIT_ASSOCIATION
BUF:RADIO: Association change: Initial --> RADIO_OFF
```
Resolution: Update the device host software to version 2.20.03 or later. CVSM 2.20.03 may be pushed from PartnerConnect (Axeda) to customers running the Welch Allyn Service Tool version 1.8 or later.

References: 80021548 CSB - CVSM 2.20 62 Character Passphrase Limitation 80021512 CVSM 2.20.03 Software Release Notes

Materials: The 2.20.03 image file is available from SAP and PartnerConnect SAP: DIR 50011957, SWF, CVSM, 2.20.03 Partner Connect: CVSM 2.20.03

<table>
<thead>
<tr>
<th>Version</th>
<th>Sec, Pg, Para Changed</th>
<th>Change Made</th>
<th>Date Version Created</th>
<th>Version Created By (initials)</th>
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<tbody>
<tr>
<td>A</td>
<td>N/A</td>
<td>Initial Release</td>
<td>2015-07-29</td>
<td>EGW</td>
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<tr>
<td>B</td>
<td>Date</td>
<td>Changed date from 2015-07-29 to 2016-05-31</td>
<td>D*</td>
<td>GCS</td>
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<td>SW Version(s) Affected:</td>
<td>Add 2.20.01. Version 2.20.01 was released after version A of this document</td>
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<td>Add version 2.20.01, “The issue is corrected in version 2.20.03.”</td>
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<td>Resolution</td>
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