

# OsmoGSMTester - Bug #3046

## ofono: SierraW modem fails to power on

03/09/2018 10:55 AM - pespin

<b>Status:</b>	New	<b>Start date:</b>	03/09/2018
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	lynxis	<b>% Done:</b>	0%
<b>Category:</b>			
<b>Target version:</b>			
<b>Spec Reference:</b>			

### Description

SierraW (/sierra2 in prod) modem started to fail all the time in tests when powering on:

I run the following and I took an ofono log trace at the same time:

```
root@osmo-gsm-tester-prod:~# mdbus2 -s org.ofono /sierra_2 org.ofono.Modem.SetProperty Powered true
[ERR]: GDBus.Error:org.ofono.Error.Failed: Operation failed
```

```
Mar 09 11:52:55 osmo-gsm-tester-prod ofonod[23376]: plugins/gobi.c:gobi_enable() 0x555f9e6459f0
Mar 09 11:52:55 osmo-gsm-tester-prod ofonod[23376]: src/modem.c:get_modem_property() modem 0x555f9e6459f0 property Device
Mar 09 11:52:55 osmo-gsm-tester-prod ofonod[23376]: drivers/qmimodem/qmibridge.c:ask_qmi() _REQ: QMI QMUX:
```

```
QMI length = 11
QMI flags = 0x00
QMI service = "ctl"
QMI client = 0
QMI QMI:
QMI flags = "none"
QMI transaction = 1
QMI tlv_length = 0
QMI message = "Get Version Info" (0x0021)
```

```
Mar 09 11:52:55 osmo-gsm-tester-prod ofonod[23376]: drivers/qmimodem/qmibridge.c:ask_qmi() READ: QMI QMUX:
```

```
QMI length = 191
QMI flags = 0x80
QMI service = "ctl"
QMI client = 0
QMI QMI:
QMI flags = "response"
QMI transaction = 1
QMI tlv_length = 180
QMI message = "Get Version Info" (0x0021)
```

```
QMI TLV:
QMI type = "Result" (0x02)
QMI length = 4
QMI value = 00:00:00:00
QMI translated = SUCCESS
QMI TLV:
QMI type = "Service list" (0x01)
QMI length = 156
QMI value = 1F:00:01:00:05:00:01:01:00:
```

```
24:00:02:01:00:0E:00:03:01:00:19:00:04:01:00:03:00:05:01:00:0A:00:06:01:00:00:00:07:01:00:02:00:08:01:00:02:00:09:02:00:01:00:0A:02:00:10:00:0B:01:00:19:00:0C:01:00:04:00:11:01:00:00:00:12:01:00:0
```

0:00:17:01:00:00:00:18:01:00:00:00:1A:01:00:0A:00:1D:01:00:00:00:1E:01:00:00:00:1F:01:00:00:00:21:01:00:00:00:22:01:00:00:00:29:01:00:00:00:2A:01:00:00:00:E1:01:00:00:00:F0:01:00:00:00:F2:01:00:00:00:F3:01:00:00:00:F5:01:00:00:00:F6:01:00:00:00

```
QMI translated = { [0] = '[ service = 'ctl'  
major_version = '1' minor_version = '5' ] ' [1] = '[ service = 'wds' major_version = '1' minor_ver  
sion = '36' ] ' [2] = '[ service = 'dms' major_version = '1' minor_version = '14' ] ' [3] = '[ ser  
vice = 'nas' major_version = '1' minor_version = '25' ] ' [4] = '[ service = 'qos' major_version =  
'1' minor_version = '3' ] ' [5] = '[ service = 'wms' major_version = '1' minor_version = '10' ] ' [  
6] = '[ service = 'pds' major_version = '1' minor_version = '0' ] ' [7] = '[ service = 'auth' ma  
jor_version = '1' minor_version = '2' ] ' [8] = '[ service = 'at' major_version = '1' minor_versio  
n = '2' ] ' [9] = '[ service = 'voice' major_version = '2' minor_version = '1' ] ' [10] = '[ servi  
ce = 'cat2' major_version = '2' minor_version = '16' ] ' [11] = '[ service = 'uim' major_version =  
'1' minor_version = '25' ] ' [12] = '[ service = 'pbm' major_version = '1' minor_version = '4' ] '  
[13] = '[ service = 'sar' major_version = '1' minor_version = '0' ] ' [14] = '[ service = 'ims'  
major_version = '1' minor_version = '0' ] ' [15] = '[ service = 'ts' major_version = '1' minor_ver  
sion = '0' ] ' [16] = '[ service = 'tmd' major_version = '1' minor_version = '0' ] ' [17] = '[ ser  
vice = 'wda' major_version = '1' minor_version = '10' ] ' [18] = '[ service = 'csvt' major_version  
= '1' minor_version = '0' ] ' [19] = '[ service = 'qcmapi' major_version = '1' minor_version = '0'  
] ' [20] = '[ service = 'imsp' major_version = '1' minor_version = '0' ] ' [21] = '[ service = 'i  
msa' major_version = '1' minor_version = '0' ] ' [22] = '[ service = 'coex' major_version = '1' mi  
nor_version = '0' ] ' [23] = '[ service = 'rfrpe' major_version = '1' minor_version = '0' ] ' [24]  
= '[ service = 'dsd' major_version = '1' minor_version = '0' ] ' [25] = '[ service = 'rms' major_  
version = '1' minor_version = '0' ] ' [26] = '[ service = '(null)' major_version = '1' minor_versi  
on = '0' ] ' [27] = '[ service = '(null)' major_version = '1' minor_version = '0' ] ' [28] = '[ se  
rvice = '(null)' major_version = '1' minor_version = '0' ] ' [29] = '[ service = '(null)' major_ve  
rsion = '1' minor_version = '0' ] ' [30] = '[ service = '(null)' major_version = '1' minor_version  
= '0' ] ' }
```

```
QMI TLV:  
QMI type = 0x10  
QMI length = 11  
QMI value = 04:4E:49:4C:4C:01:E1:03:00:00:0
```

0

Mar 09 11:53:00 osmo-gsm-tester-prod ofonod[23376]: plugins/gobi.c:discover\_cb()

Mar 09 11:53:00 osmo-gsm-tester-prod ofonod[23376]: drivers/qmimodem/qmibridge.c:ask\_qmi() \_REQ: Q

MI QMUX:

```
QMI length = 11  
QMI flags = 0x00  
QMI service = "ctl"  
QMI client = 0  
QMI QMI:  
QMI flags = "none"  
QMI transaction = 2  
QMI tlv_length = 0  
QMI message = "Get Version Info" (0x0021
```

)

Mar 09 11:53:00 osmo-gsm-tester-prod ofonod[23376]: drivers/qmimodem/qmibridge.c:ask\_qmi() READ: Q

MI QMUX:

```
QMI length = 191  
QMI flags = 0x80  
QMI service = "ctl"  
QMI client = 0  
QMI QMI:  
QMI flags = "response"  
QMI transaction = 2  
QMI tlv_length = 180  
QMI message = "Get Version Info" (0x0021
```

)

```
QMI TLV:  
QMI type = "Result" (0x02)  
QMI length = 4  
QMI value = 00:00:00:00  
QMI translated = SUCCESS  
QMI TLV:  
QMI type = "Service list" (0x01)  
QMI length = 156  
QMI value = 1F:00:01:00:05:00:01:01:00:
```

24:00:02:01:00:0E:00:03:01:00:19:00:04:01:00:03:00:05:01:00:0A:00:06:01:00:00:00:07:01:00:02:00:08

01:00:02:00:09:02:00:01:00:0A:02:00:10:00:0B:01:00:19:00:0C:01:00:04:00:11:01:00:00:00:12:01:00:00:00:17:01:00:00:00:18:01:00:00:00:1A:01:00:0A:00:1D:01:00:00:00:1E:01:00:00:00:1F:01:00:00:00:21:01:00:00:00:22:01:00:00:00:29:01:00:00:00:2A:01:00:00:00:E1:01:00:00:00:F0:01:00:00:00:F2:01:00:00:00:F3:01:00:00:00:F5:01:00:00:00:F6:01:00:00:00

```
QMI translated = { [0] = '[ service = 'ctl'  
major_version = '1' minor_version = '5' ] ' [1] = '[ service = 'wds' major_version = '1' minor_ver  
sion = '36' ] ' [2] = '[ service = 'dms' major_version = '1' minor_version = '14' ] ' [3] = '[ ser  
vice = 'nas' major_version = '1' minor_version = '25' ] ' [4] = '[ service = 'qos' major_version =  
'1' minor_version = '3' ] ' [5] = '[ service = 'wms' major_version = '1' minor_version = '10' ] ' [  
6] = '[ service = 'pds' major_version = '1' minor_version = '0' ] ' [7] = '[ service = 'auth' ma  
jor_version = '1' minor_version = '2' ] ' [8] = '[ service = 'at' major_version = '1' minor_versio  
n = '2' ] ' [9] = '[ service = 'voice' major_version = '2' minor_version = '1' ] ' [10] = '[ servi  
ce = 'cat2' major_version = '2' minor_version = '16' ] ' [11] = '[ service = 'uim' major_version =  
'1' minor_version = '25' ] ' [12] = '[ service = 'pbm' major_version = '1' minor_version = '4' ]  
' [13] = '[ service = 'sar' major_version = '1' minor_version = '0' ] ' [14] = '[ service = 'ims'  
major_version = '1' minor_version = '0' ] ' [15] = '[ service = 'ts' major_version = '1' minor_ver  
sion = '0' ] ' [16] = '[ service = 'tmd' major_version = '1' minor_version = '0' ] ' [17] = '[ ser  
vice = 'wda' major_version = '1' minor_version = '10' ] ' [18] = '[ service = 'csvt' major_version  
= '1' minor_version = '0' ] ' [19] = '[ service = 'qcmapi' major_version = '1' minor_version = '0'  
' [20] = '[ service = 'imsp' major_version = '1' minor_version = '0' ] ' [21] = '[ service = 'i  
msa' major_version = '1' minor_version = '0' ] ' [22] = '[ service = 'coex' major_version = '1' mi  
nor_version = '0' ] ' [23] = '[ service = 'rfrpe' major_version = '1' minor_version = '0' ] ' [24]  
= '[ service = 'dsd' major_version = '1' minor_version = '0' ] ' [25] = '[ service = 'rms' major_  
version = '1' minor_version = '0' ] ' [26] = '[ service = '(null)' major_version = '1' minor_versi  
on = '0' ] ' [27] = '[ service = '(null)' major_version = '1' minor_version = '0' ] ' [28] = '[ se  
rvice = '(null)' major_version = '1' minor_version = '0' ] ' [29] = '[ service = '(null)' major_ve  
rsion = '1' minor_version = '0' ] ' [30] = '[ service = '(null)' major_version = '1' minor_version  
= '0' ] ' }
```

```
QMI TLV:  
QMI type = 0x10  
QMI length = 11  
QMI value = 04:4E:49:4C:4C:01:E1:03:00:00:0
```

0  
Mar 09 11:53:05 osmo-gsm-tester-prod ofonod[23376]: drivers/qmimodem/qmibridge.c:ask\_qmi() \_REQ: QMI QMUX:

```
QMI length = 15  
QMI flags = 0x00  
QMI service = "ctl"  
QMI client = 0  
QMI QMI:  
QMI flags = "none"  
QMI transaction = 3  
QMI tlv_length = 4  
QMI message = "Allocate CID" (0x0022)  
QMI TLV:  
QMI type = "Service" (0x01)  
QMI length = 1  
QMI value = 02  
QMI translated = dms
```

Mar 09 11:53:05 osmo-gsm-tester-prod ofonod[23376]: drivers/qmimodem/qmibridge.c:ask\_qmi() READ: QMI QMUX:

```
QMI length = 18  
QMI flags = 0x80  
QMI service = "ctl"  
QMI client = 0  
QMI QMI:  
QMI flags = "response"  
QMI transaction = 3  
QMI tlv_length = 7  
QMI message = "Allocate CID" (0x0022)  
QMI TLV:  
QMI type = "Result" (0x02)  
QMI length = 4  
QMI value = 01:00:03:00  
QMI translated = FAILURE: Internal
```

Mar 09 11:53:08 osmo-gsm-tester-prod ofonod[23376]: plugins/gobi.c:create\_dms\_cb()  
Mar 09 11:53:08 osmo-gsm-tester-prod ofonod[23376]: plugins/gobi.c:shutdown\_device() 0x555f9e6459f

0

```
Mar 09 11:53:08 osmo-gsm-tester-prod ofonod[23376]: plugins/gobi.c:shutdown_cb()
```

## History

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**#1 - 03/09/2018 10:58 AM - pesp**

As expected, restart ofono fixes the issue. So it seems SierraW also runs out of CIDs at some point.